

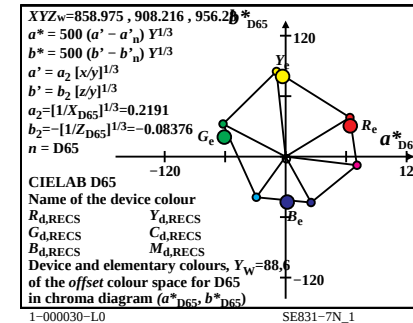
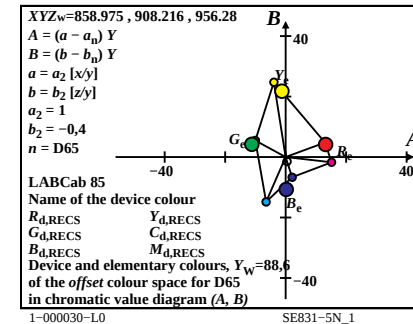
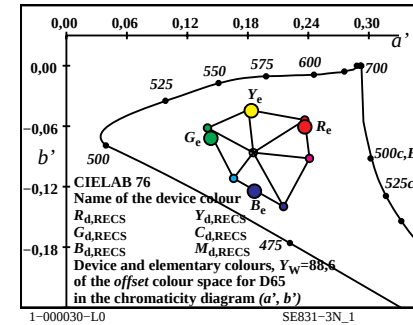
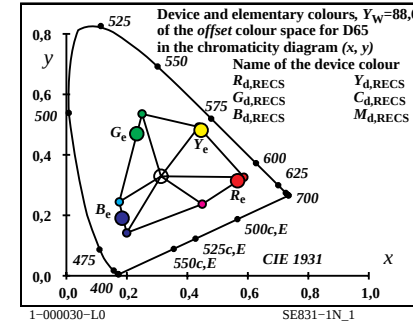
| Device colours RYGBCM <sub>d</sub> of maximum (m) C <sub>AB</sub> for D65, Y <sub>w</sub> =88,6 |       |       |       |        |        |        |                 |                                  |                                 |  |
|-------------------------------------------------------------------------------------------------|-------|-------|-------|--------|--------|--------|-----------------|----------------------------------|---------------------------------|--|
| Code                                                                                            | X     | Y     | Z     | x      | y      | z      | h <sub>xy</sub> | i <sub>dm</sub> , λ <sub>d</sub> | i <sub>c</sub> , λ <sub>c</sub> |  |
| R <sub>d,RECS</sub>                                                                             | 27.43 | 15.24 | 4.05  | 0.5869 | 0.3261 | 0.0868 | 359.4           | 41 607                           | 17 486                          |  |
| Y <sub>d,RECS</sub>                                                                             | 60.4  | 67.98 | 9.71  | 0.4373 | 0.4923 | 0.0703 | 52.6            | 33 568                           | 13 467                          |  |
| G <sub>d,RECS</sub>                                                                             | 9.79  | 20.95 | 8.39  | 0.2501 | 0.5352 | 0.2145 | 106.8           | 25 527                           | -1 527c                         |  |
| C <sub>d,RECS</sub>                                                                             | 20.02 | 28.0  | 66.55 | 0.1747 | 0.2444 | 0.5808 | 211.5           | 15 478                           | 35 578                          |  |
| B <sub>d,RECS</sub>                                                                             | 6.54  | 4.65  | 21.62 | 0.1992 | 0.1419 | 0.6587 | 238.7           | 11 459                           | 33 565                          |  |
| M <sub>d,RECS</sub>                                                                             | 30.31 | 15.98 | 21.17 | 0.4493 | 0.2369 | 0.3137 | 326.0           | -1 494c                          | 18 494                          |  |
| R <sub>e,RECS</sub>                                                                             | 27.82 | 15.45 | 5.86  | 0.5662 | 0.3143 | 0.1193 | 356.7           | 43 615                           | 17 487                          |  |
| Y <sub>e,RECS</sub>                                                                             | 55.92 | 60.42 | 9.14  | 0.4456 | 0.4815 | 0.0728 | 48.9            | 34 570                           | 14 470                          |  |
| G <sub>e,RECS</sub>                                                                             | 12.32 | 24.86 | 15.72 | 0.2328 | 0.4699 | 0.2971 | 119.4           | 22 510                           | -1 510c                         |  |
| B <sub>e,RECS</sub>                                                                             | 11.61 | 12.05 | 39.53 | 0.1838 | 0.1906 | 0.6254 | 227.0           | 14 472                           | 34 570                          |  |
| 1-000030-L0 SE83-1N_1                                                                           |       |       |       |        |        |        |                 |                                  |                                 |  |

| Device colours RYGBCM <sub>d</sub> of maximum (m) C <sub>AB</sub> for D65, Y <sub>w</sub> =88,6 |       |        |        |                 |        |         |                 |                                  |                                 |  |
|-------------------------------------------------------------------------------------------------|-------|--------|--------|-----------------|--------|---------|-----------------|----------------------------------|---------------------------------|--|
| Code                                                                                            | Y     | A      | B      | C <sub>AB</sub> | a      | b       | h <sub>AB</sub> | i <sub>dm</sub> , λ <sub>d</sub> | i <sub>c</sub> , λ <sub>c</sub> |  |
| R <sub>d,RECS</sub>                                                                             | 15.24 | 12.94  | 5.01   | 13.88           | 1.7994 | -0.1064 | 21.1            | 41 607                           | 17 486                          |  |
| Y <sub>d,RECS</sub>                                                                             | 67.98 | -4.22  | 25.73  | 26.07           | 0.8883 | -0.0571 | 99.3            | 33 568                           | 14 472                          |  |
| G <sub>d,RECS</sub>                                                                             | 20.95 | -10.12 | 5.76   | 11.64           | 0.4674 | -0.1603 | 150.3           | 26 531                           | -1 531c                         |  |
| C <sub>d,RECS</sub>                                                                             | 28.0  | -6.59  | -14.42 | 15.85           | 0.715  | -0.9506 | 245.4           | 15 478                           | 35 576                          |  |
| B <sub>d,RECS</sub>                                                                             | 4.65  | 2.11   | -6.62  | 6.95            | 1.4041 | -1.8565 | 287.7           | 11 455                           | 32 561                          |  |
| M <sub>d,RECS</sub>                                                                             | 15.98 | 15.12  | -1.5   | 15.19           | 1.8965 | -0.5296 | 354.3           | -1 492c                          | 18 492                          |  |
| R <sub>e,RECS</sub>                                                                             | 15.45 | 13.14  | 4.38   | 13.85           | 1.8009 | -0.1518 | 18.4            | 42 614                           | 17 486                          |  |
| Y <sub>e,RECS</sub>                                                                             | 60.42 | -1.5   | 22.66  | 22.71           | 0.9254 | -0.0605 | 93.8            | 34 570                           | 14 474                          |  |
| G <sub>e,RECS</sub>                                                                             | 24.86 | -11.31 | 4.54   | 12.18           | 0.4955 | -0.2529 | 158.1           | 23 516                           | -1 516c                         |  |
| B <sub>e,RECS</sub>                                                                             | 12.05 | 0.16   | -10.56 | 10.56           | 0.9642 | -1.3122 | 270.9           | 14 471                           | 33 567                          |  |
| 1-000030-L0 SE83-3N_1                                                                           |       |        |        |                 |        |         |                 |                                  |                                 |  |

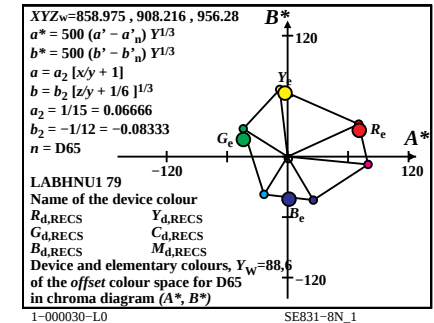
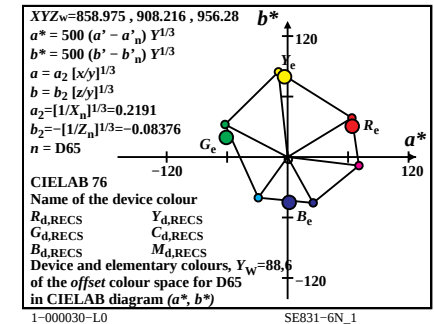
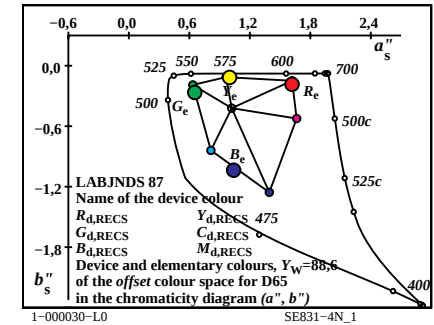
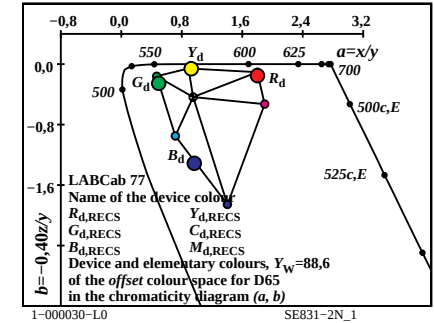
| Device colours RYGBCM <sub>d</sub> of maximum (m) C <sub>AB</sub> for D65, Y <sub>w</sub> =88,6 |       |        |        |                  |        |         |                 |                                   |                                  |  |
|-------------------------------------------------------------------------------------------------|-------|--------|--------|------------------|--------|---------|-----------------|-----------------------------------|----------------------------------|--|
| Code                                                                                            | L*    | a*     | b*     | C* <sub>ab</sub> | a'     | b'      | h <sub>ab</sub> | i <sub>dm</sub> , λ* <sub>d</sub> | i <sub>c</sub> , λ* <sub>c</sub> |  |
| R <sub>d,RECS</sub>                                                                             | 45.98 | 63.3   | 39.99  | 74.88            | 0.2664 | -0.0538 | 32.2            | -1 480c                           | 16 480                           |  |
| Y <sub>d,RECS</sub>                                                                             | 86.0  | -9.78  | 86.48  | 87.03            | 0.2106 | -0.0437 | 96.4            | 33 566                            | 14 471                           |  |
| G <sub>d,RECS</sub>                                                                             | 52.9  | -62.53 | 33.64  | 71.0             | 0.17   | -0.0617 | 151.7           | 24 521                            | -1 521c                          |  |
| C <sub>d,RECS</sub>                                                                             | 59.9  | -29.59 | -38.87 | 48.85            | 0.1959 | -0.1117 | 232.7           | 15 477                            | 40 604                           |  |
| B <sub>d,RECS</sub>                                                                             | 25.77 | 24.96  | -44.68 | 51.19            | 0.2452 | -0.1396 | 299.1           | 13 465                            | 30 550                           |  |
| M <sub>d,RECS</sub>                                                                             | 46.97 | 70.25  | -7.31  | 70.63            | 0.2711 | -0.0919 | 354.0           | -1 499c                           | 19 499                           |  |
| R <sub>e,RECS</sub>                                                                             | 46.25 | 63.68  | 31.75  | 71.16            | 0.2665 | -0.0606 | 26.5            | -1 481c                           | 16 481                           |  |
| Y <sub>e,RECS</sub>                                                                             | 82.07 | -3.73  | 81.47  | 81.56            | 0.2135 | -0.0446 | 92.6            | 33 569                            | 14 471                           |  |
| G <sub>e,RECS</sub>                                                                             | 56.95 | -61.32 | 20.83  | 64.77            | 0.1733 | -0.0718 | 161.2           | 22 512                            | -1 512c                          |  |
| B <sub>e,RECS</sub>                                                                             | 41.31 | 1.19   | -43.87 | 43.89            | 0.2164 | -0.1244 | 271.5           | 14 472                            | 34 570                           |  |
| 1-000030-L0 SE83-5N_1                                                                           |       |        |        |                  |        |         |                 |                                   |                                  |  |

| Device colours RYGBCM <sub>d</sub> of maximum (m) C <sub>AB</sub> for D65, Y <sub>w</sub> =88,6 |       |        |        |                  |        |         |                 |                                   |                                  |  |
|-------------------------------------------------------------------------------------------------|-------|--------|--------|------------------|--------|---------|-----------------|-----------------------------------|----------------------------------|--|
| CodeD65                                                                                         | L*    | a*     | b*     | C* <sub>ab</sub> | a'     | b'      | h <sub>ab</sub> | i <sub>dm</sub> , λ* <sub>d</sub> | i <sub>c</sub> , λ* <sub>c</sub> |  |
| R <sub>d,RECS</sub>                                                                             | 45.98 | 63.33  | 40.03  | 74.92            | 0.2665 | -0.0538 | 32.2            | -1 480c                           | 16 480                           |  |
| Y <sub>d,RECS</sub>                                                                             | 86.0  | -9.78  | 86.51  | 87.06            | 0.2106 | -0.0437 | 96.4            | 33 566                            | 14 471                           |  |
| G <sub>d,RECS</sub>                                                                             | 52.9  | -62.56 | 33.65  | 71.04            | 0.17   | -0.0617 | 151.7           | 24 521                            | -1 521c                          |  |
| C <sub>d,RECS</sub>                                                                             | 59.9  | -29.59 | -38.87 | 48.86            | 0.1959 | -0.1117 | 232.7           | 15 477                            | 40 604                           |  |
| B <sub>d,RECS</sub>                                                                             | 25.77 | 24.99  | -44.72 | 51.23            | 0.2453 | -0.1396 | 299.2           | 13 465                            | 30 550                           |  |
| M <sub>d,RECS</sub>                                                                             | 46.97 | 70.27  | -7.31  | 70.65            | 0.2711 | -0.0919 | 354.0           | -1 499c                           | 19 499                           |  |
| R <sub>e,RECS</sub>                                                                             | 46.25 | 63.7   | 31.78  | 71.19            | 0.2665 | -0.0606 | 26.5            | -1 481c                           | 16 481                           |  |
| Y <sub>e,RECS</sub>                                                                             | 82.07 | -3.73  | 81.5   | 81.59            | 0.2135 | -0.0446 | 92.6            | 33 569                            | 14 472                           |  |
| G <sub>e,RECS</sub>                                                                             | 56.95 | -61.35 | 20.84  | 64.79            | 0.1733 | -0.0718 | 161.2           | 22 512                            | -1 512c                          |  |
| B <sub>e,RECS</sub>                                                                             | 41.31 | 1.19   | -43.88 | 43.9             | 0.2164 | -0.1244 | 271.5           | 14 472                            | 34 570                           |  |
| 1-000030-L0 SE83-7N_1                                                                           |       |        |        |                  |        |         |                 |                                   |                                  |  |

TUB-test chart SE83; Offset print output, use of grid G  
YABCh, LabCh\* data elementary hue circle and grey steps



input: w/rgb/cmyk -> w/rgb/cmyk-  
output: no change

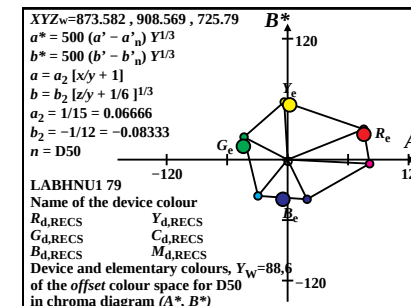
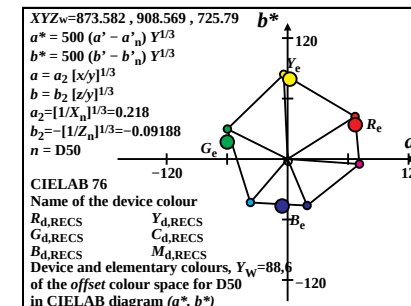
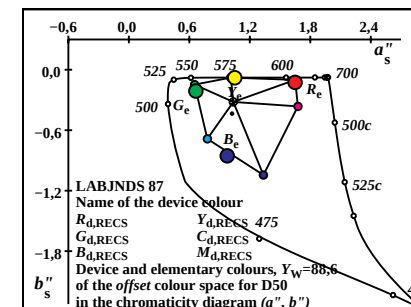
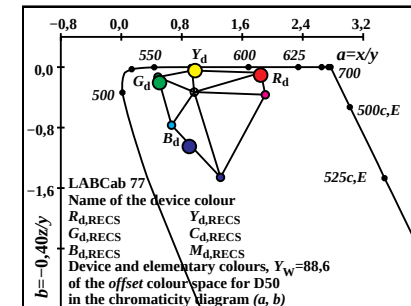
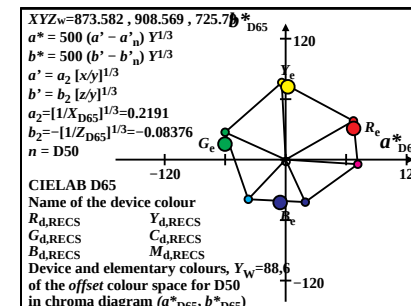
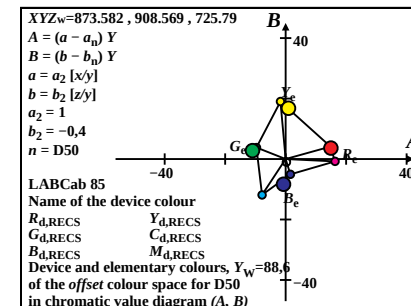
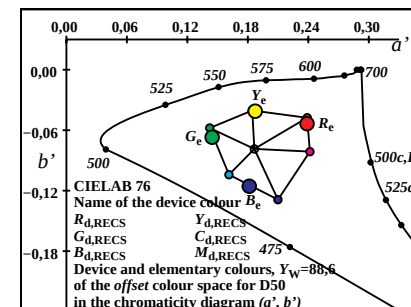
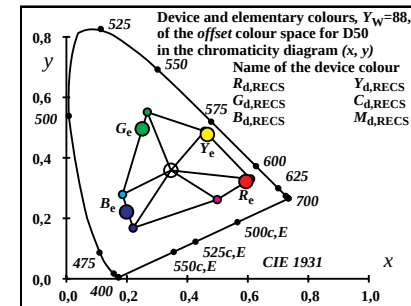


| Device colours RYGBM <sub>d</sub> of maximum (m) C <sub>AB</sub> for D50, Y <sub>w</sub> =88,6 |       |       |       |        |        |        |                 |                                  |                                 |  |
|------------------------------------------------------------------------------------------------|-------|-------|-------|--------|--------|--------|-----------------|----------------------------------|---------------------------------|--|
| Code                                                                                           | X     | Y     | Z     | x      | y      | z      | h <sub>xy</sub> | i <sub>dm</sub> , λ <sub>d</sub> | i <sub>c</sub> , λ <sub>c</sub> |  |
| R <sub>d</sub> .RECS                                                                           | 30.92 | 16.74 | 3.08  | 0.6092 | 0.3299 | 0.0608 | 353.8           | 41 608                           | 17 489                          |  |
| Y <sub>d</sub> .RECS                                                                           | 64.84 | 69.23 | 7.79  | 0.457  | 0.4879 | 0.0549 | 49.2            | 34 570                           | 13 469                          |  |
| G <sub>d</sub> .RECS                                                                           | 9.85  | 20.29 | 6.67  | 0.2675 | 0.551  | 0.1813 | 112.0           | 25 526                           | -1 526c                         |  |
| C <sub>d</sub> .RECS                                                                           | 17.57 | 26.39 | 50.72 | 0.1856 | 0.2787 | 0.5356 | 206.5           | 16 481                           | 35 579                          |  |
| B <sub>d</sub> .RECS                                                                           | 5.84  | 4.45  | 16.22 | 0.2203 | 0.1678 | 0.6117 | 236.7           | 11 459                           | 33 567                          |  |
| M <sub>d</sub> .RECS                                                                           | 32.96 | 17.31 | 15.78 | 0.499  | 0.262  | 0.2389 | 327.8           | -1 496c                          | 19 496                          |  |
| R <sub>e</sub> .RECS                                                                           | 31.23 | 16.93 | 4.43  | 0.5937 | 0.3218 | 0.0843 | 351.6           | 43 615                           | 17 489                          |  |
| Y <sub>e</sub> .RECS                                                                           | 60.27 | 61.71 | 7.3   | 0.4661 | 0.4773 | 0.0565 | 44.5            | 34 572                           | 14 473                          |  |
| G <sub>e</sub> .RECS                                                                           | 12.13 | 24.0  | 12.28 | 0.2506 | 0.4956 | 0.2536 | 124.6           | 21 509                           | -1 509c                         |  |
| B <sub>e</sub> .RECS                                                                           | 10.23 | 11.38 | 29.88 | 0.1987 | 0.221  | 0.5802 | 223.1           | 14 474                           | 34 572                          |  |

| Device colours RYGBM <sub>d</sub> of maximum (m) C <sub>AB</sub> for D50, Y <sub>w</sub> =88,6 |       |       |        |                 |        |         |                 |                                  |                                 |  |
|------------------------------------------------------------------------------------------------|-------|-------|--------|-----------------|--------|---------|-----------------|----------------------------------|---------------------------------|--|
| Code                                                                                           | Y     | A     | B      | C <sub>AB</sub> | a      | b       | h <sub>AB</sub> | i <sub>dm</sub> , λ <sub>d</sub> | i <sub>c</sub> , λ <sub>c</sub> |  |
| R <sub>d</sub> .RECS                                                                           | 16.74 | 14.77 | 4.29   | 15.38           | 1.8466 | -0.0737 | 16.1            | 42 613                           | 18 492                          |  |
| Y <sub>d</sub> .RECS                                                                           | 69.23 | -1.9  | 19.72  | 19.82           | 0.9366 | -0.045  | 95.5            | 34 570                           | 14 473                          |  |
| G <sub>d</sub> .RECS                                                                           | 20.29 | -9.71 | 4.02   | 10.51           | 0.4855 | -0.1316 | 157.4           | 23 519                           | -1 519c                         |  |
| C <sub>d</sub> .RECS                                                                           | 26.39 | -7.87 | -11.57 | 14.0            | 0.6658 | -0.7686 | 235.7           | 16 480                           | 35 575                          |  |
| B <sub>d</sub> .RECS                                                                           | 4.45  | 1.55  | -5.02  | 5.25            | 1.3128 | -1.4579 | 287.1           | 11 458                           | 33 566                          |  |
| M <sub>d</sub> .RECS                                                                           | 17.31 | 16.27 | -0.6   | 16.28           | 1.9043 | -0.3647 | 357.8           | -1 502c                          | 20 502                          |  |
| R <sub>e</sub> .RECS                                                                           | 16.93 | 14.91 | 3.81   | 15.39           | 1.8447 | -0.1047 | 14.3            | 45 627                           | 18 492                          |  |
| Y <sub>e</sub> .RECS                                                                           | 61.71 | 0.76  | 17.44  | 17.45           | 0.9766 | -0.0473 | 87.4            | 34 572                           | 15 476                          |  |
| G <sub>e</sub> .RECS                                                                           | 24.0  | -11.0 | 3.0    | 11.41           | 0.5056 | -0.2046 | 164.7           | 20 503                           | -1 503c                         |  |
| B <sub>e</sub> .RECS                                                                           | 11.38 | -0.74 | -8.19  | 8.23            | 0.8988 | -1.0498 | 264.8           | 14 473                           | 34 570                          |  |

| Device colours RYGBM <sub>d</sub> of maximum (m) C <sub>AB</sub> for D50, Y <sub>w</sub> =88,6 |       |        |        |                  |        |         |                 |                                   |                                  |  |
|------------------------------------------------------------------------------------------------|-------|--------|--------|------------------|--------|---------|-----------------|-----------------------------------|----------------------------------|--|
| Code                                                                                           | L*    | a*     | b*     | C* <sub>ab</sub> | a'     | b'      | h <sub>ab</sub> | i <sub>dm</sub> , λ* <sub>d</sub> | i <sub>c</sub> , λ* <sub>c</sub> |  |
| R <sub>d</sub> .RECS                                                                           | 47.95 | 66.63  | 43.28  | 79.45            | 0.2687 | -0.0476 | 33.0            | -1 481c                           | 16 481                           |  |
| Y <sub>d</sub> .RECS                                                                           | 86.62 | -4.25  | 85.82  | 85.92            | 0.2143 | -0.0404 | 92.8            | 33 569                            | 14 471                           |  |
| G <sub>d</sub> .RECS                                                                           | 52.18 | -60.03 | 30.99  | 67.56            | 0.1721 | -0.0578 | 152.6           | 24 524                            | -1 524c                          |  |
| C <sub>d</sub> .RECS                                                                           | 58.42 | -37.22 | -41.76 | 55.94            | 0.1913 | -0.1041 | 228.2           | 15 478                            | 41 608                           |  |
| B <sub>d</sub> .RECS                                                                           | 25.14 | 19.17  | -45.39 | 49.28            | 0.2398 | -0.1288 | 292.9           | 13 466                            | 31 557                           |  |
| M <sub>d</sub> .RECS                                                                           | 48.66 | 70.94  | -3.78  | 71.04            | 0.2715 | -0.0812 | 356.9           | -1 499c                           | 19 499                           |  |
| R <sub>e</sub> .RECS                                                                           | 48.18 | 66.76  | 35.13  | 75.44            | 0.2686 | -0.0535 | 27.7            | -1 482c                           | 16 482                           |  |
| Y <sub>e</sub> .RECS                                                                           | 82.76 | 1.81   | 81.09  | 81.11            | 0.2173 | -0.0411 | 88.7            | 34 572                            | 14 472                           |  |
| G <sub>e</sub> .RECS                                                                           | 56.1  | -60.12 | 18.28  | 62.84            | 0.1745 | -0.0669 | 163.0           | 22 514                            | -1 514c                          |  |
| B <sub>e</sub> .RECS                                                                           | 40.23 | -5.6   | -45.61 | 45.96            | 0.2114 | -0.1155 | 263.0           | 14 473                            | 35 575                           |  |

| Device colours RYGBM <sub>d</sub> of maximum (m) C <sub>AB</sub> for D50, Y <sub>w</sub> =88,6 |       |        |        |                  |        |         |                 |                                   |                                  |  |
|------------------------------------------------------------------------------------------------|-------|--------|--------|------------------|--------|---------|-----------------|-----------------------------------|----------------------------------|--|
| CodeD65                                                                                        | L*    | a*     | b*     | C* <sub>ab</sub> | a'     | b'      | h <sub>ab</sub> | i <sub>dm</sub> , λ* <sub>d</sub> | i <sub>c</sub> , λ* <sub>c</sub> |  |
| R <sub>d</sub> .RECS                                                                           | 47.95 | 66.97  | 39.49  | 77.75            | 0.2688 | -0.0476 | 30.5            | -1 481c                           | 16 481                           |  |
| Y <sub>d</sub> .RECS                                                                           | 86.62 | -4.27  | 78.26  | 78.37            | 0.2143 | -0.0404 | 93.1            | 33 569                            | 14 471                           |  |
| G <sub>d</sub> .RECS                                                                           | 52.18 | -60.35 | 28.27  | 66.64            | 0.1722 | -0.0578 | 154.9           | 24 522                            | -1 522c                          |  |
| C <sub>d</sub> .RECS                                                                           | 58.42 | -37.41 | -38.08 | 53.38            | 0.1913 | -0.1041 | 225.5           | 15 478                            | 43 615                           |  |
| B <sub>d</sub> .RECS                                                                           | 25.14 | 19.29  | -41.41 | 45.68            | 0.2398 | -0.1288 | 294.9           | 13 466                            | 31 555                           |  |
| M <sub>d</sub> .RECS                                                                           | 48.66 | 71.3   | -3.44  | 71.38            | 0.2715 | -0.0812 | 357.2           | -1 498c                           | 19 498                           |  |
| R <sub>e</sub> .RECS                                                                           | 48.18 | 67.1   | 32.05  | 74.36            | 0.2687 | -0.0535 | 25.5            | -1 482c                           | 16 482                           |  |
| Y <sub>e</sub> .RECS                                                                           | 82.76 | 1.82   | 73.95  | 73.97            | 0.2173 | -0.0411 | 88.5            | 34 572                            | 14 472                           |  |
| G <sub>e</sub> .RECS                                                                           | 56.1  | -60.43 | 16.67  | 62.69            | 0.1745 | -0.0669 | 164.5           | 22 512                            | -1 512c                          |  |
| B <sub>e</sub> .RECS                                                                           | 40.23 | -5.63  | -41.6  | 41.98            | 0.2114 | -0.1155 | 262.2           | 14 473                            | 35 576                           |  |



Device colours  $RYGCBM_d$  of maximum (m)  $C_{AB}$  for P40,  $Y_w=88,6$

| Code         | X     | Y     | Z     | x      | y      | z      | $h_{xy}$ | $i_{dm}, \lambda_d$ | $i_c, \lambda_c$ |
|--------------|-------|-------|-------|--------|--------|--------|----------|---------------------|------------------|
| $R_{d,RECS}$ | 35.04 | 18.5  | 2.43  | 0.6259 | 0.3305 | 0.0434 | 349.4    | 41 609              | 18 491           |
| $Y_{d,RECS}$ | 70.49 | 70.46 | 6.35  | 0.4785 | 0.4783 | 0.0431 | 45.9     | 34 573              | 14 470           |
| $G_{d,RECS}$ | 10.01 | 19.26 | 5.38  | 0.2889 | 0.5557 | 0.1553 | 116.8    | 25 526              | -1 526c          |
| $C_{d,RECS}$ | 16.06 | 24.42 | 39.53 | 0.2007 | 0.3052 | 0.494  | 201.6    | 16 482              | 36 581           |
| $B_{d,RECS}$ | 5.54  | 4.25  | 12.59 | 0.2477 | 0.1899 | 0.5622 | 234.6    | 11 458              | 34 570           |
| $M_{d,RECS}$ | 36.55 | 18.91 | 12.28 | 0.5394 | 0.2791 | 0.1813 | 328.6    | -1 497c             | 19 497           |
| $R_{e,RECS}$ | 35.31 | 18.67 | 3.48  | 0.6144 | 0.3249 | 0.0605 | 347.6    | 43 615              | 18 491           |
| $Y_{e,RECS}$ | 65.75 | 63.04 | 5.94  | 0.4879 | 0.4679 | 0.0441 | 40.2     | 34 574              | 14 474           |
| $G_{e,RECS}$ | 12.16 | 22.72 | 9.77  | 0.2723 | 0.5088 | 0.2188 | 129.0    | 21 509              | -1 509c          |
| $B_{e,RECS}$ | 9.49  | 10.63 | 23.23 | 0.2189 | 0.2451 | 0.5359 | 219.2    | 15 475              | 35 575           |

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Device colours  $RYGCBM_d$  of maximum (m)  $C_{AB}$  for P40,  $Y_w=88,6$

| Code         | Y     | A      | B     | $C_{AB}$ | a      | b       | $h_{AB}$ | $i_{dm}, \lambda_d$ | $i_c, \lambda_c$ |
|--------------|-------|--------|-------|----------|--------|---------|----------|---------------------|------------------|
| $R_{d,RECS}$ | 18.5  | 16.36  | 3.81  | 16.8     | 1.8935 | -0.0526 | 13.1     | 47 639              | 20 500           |
| $Y_{d,RECS}$ | 70.46 | -0.63  | 15.69 | 15.7     | 1.0003 | -0.036  | 92.3     | 34 572              | 12 464           |
| $G_{d,RECS}$ | 19.26 | -9.43  | 2.83  | 9.84     | 0.5198 | -0.1117 | 163.2    | 21 506              | -1 506c          |
| $C_{d,RECS}$ | 24.42 | -8.59  | -9.49 | 12.8     | 0.6575 | -0.6472 | 227.8    | 16 481              | 35 576           |
| $B_{d,RECS}$ | 4.25  | 1.25   | -3.93 | 4.13     | 1.3045 | -1.184  | 287.6    | 12 461              | 34 572           |
| $M_{d,RECS}$ | 18.91 | 17.46  | -0.02 | 17.46    | 1.9325 | -0.2598 | 359.9    | -1 535c             | 27 535           |
| $R_{e,RECS}$ | 18.67 | 16.46  | 3.43  | 16.81    | 1.8907 | -0.0745 | 11.8     | -1 502c             | 20 502           |
| $Y_{e,RECS}$ | 63.04 | 2.12   | 13.93 | 14.09    | 1.0429 | -0.0377 | 81.3     | 35 575              | 15 477           |
| $G_{e,RECS}$ | 22.72 | -10.77 | 1.97  | 10.95    | 0.5352 | -0.172  | 169.6    | 19 498              | 41 607           |
| $B_{e,RECS}$ | 10.63 | -1.23  | -6.54 | 6.66     | 0.8931 | -0.8744 | 259.3    | 15 475              | 34 574           |

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SE831-3N\_3

Device colours  $RYGCBM_d$  of maximum (m)  $C_{AB}$  for P40,  $Y_w=88,6$

| Code         | $L^*$ | $a^*$  | $b^*$  | $C^*_{ab}$ | $a'$   | $b'$    | $h_{ab}$ | $i_{dm}, \lambda^*_d$ | $i_c, \lambda^*_c$ |
|--------------|-------|--------|--------|------------|--------|---------|----------|-----------------------|--------------------|
| $R_{d,RECS}$ | 50.11 | 66.47  | 46.9   | 81.35      | 0.271  | -0.0425 | 35.2     | -1 481c               | 16 481             |
| $Y_{d,RECS}$ | 87.23 | -1.32  | 85.68  | 85.69      | 0.2191 | -0.0375 | 90.8     | 34 572                | 14 471             |
| $G_{d,RECS}$ | 51.01 | -57.27 | 28.18  | 63.83      | 0.1761 | -0.0547 | 153.8    | 25 527                | -1 527c            |
| $C_{d,RECS}$ | 56.52 | -41.59 | -44.68 | 61.04      | 0.1905 | -0.0983 | 227.0    | 15 478                | 41 609             |
| $B_{d,RECS}$ | 24.52 | 15.56  | -46.05 | 48.61      | 0.2393 | -0.1202 | 288.6    | 13 467                | 32 562             |
| $M_{d,RECS}$ | 50.6  | 69.36  | -0.16  | 69.37      | 0.2728 | -0.0725 | 359.8    | -1 497c               | 19 497             |
| $R_{e,RECS}$ | 50.31 | 66.49  | 38.77  | 76.97      | 0.2708 | -0.0478 | 30.2     | -1 482c               | 16 482             |
| $Y_{e,RECS}$ | 83.47 | 4.7    | 81.22  | 81.36      | 0.2221 | -0.0381 | 86.6     | 35 575                | 14 472             |
| $G_{e,RECS}$ | 54.79 | -58.12 | 15.52  | 60.16      | 0.1778 | -0.0632 | 165.0    | 23 515                | -1 515c            |
| $B_{e,RECS}$ | 38.96 | -9.45  | -47.41 | 48.34      | 0.2109 | -0.1086 | 258.7    | 14 473                | 35 579             |

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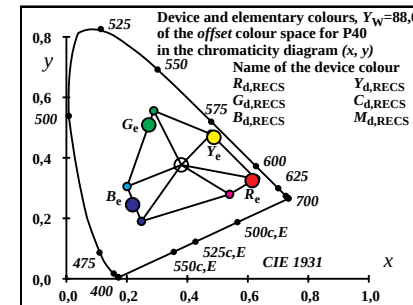
SE831-5N\_3

Device colours  $RYGCBM_d$  of maximum (m)  $C_{AB}$  for P40,  $Y_w=88,6$

| CodeD65      | $L^*$ | $a^*$  | $b^*$  | $C^*_{ab}$ | $a'$   | $b'$    | $h_{ab}$ | $i_{dm}, \lambda^*_d$ | $i_c, \lambda^*_c$ |
|--------------|-------|--------|--------|------------|--------|---------|----------|-----------------------|--------------------|
| $R_{d,RECS}$ | 50.11 | 67.83  | 39.46  | 78.48      | 0.271  | -0.0426 | 30.1     | -1 482c               | 16 482             |
| $Y_{d,RECS}$ | 87.23 | -1.35  | 72.05  | 72.06      | 0.2191 | -0.0375 | 91.0     | 34 572                | 14 471             |
| $G_{d,RECS}$ | 51.01 | -58.46 | 23.7   | 63.08      | 0.1761 | -0.0547 | 157.9    | 24 522                | -1 522c            |
| $C_{d,RECS}$ | 56.52 | -42.44 | -37.57 | 56.68      | 0.1905 | -0.0983 | 221.5    | 15 479                | 45 628             |
| $B_{d,RECS}$ | 24.52 | 15.9   | -38.74 | 41.88      | 0.2393 | -0.1202 | 292.3    | 13 466                | 32 560             |
| $M_{d,RECS}$ | 50.6  | 70.79  | -0.13  | 70.79      | 0.2729 | -0.0725 | 359.8    | -1 497c               | 19 497             |
| $R_{e,RECS}$ | 50.31 | 67.86  | 32.61  | 75.29      | 0.2709 | -0.0478 | 25.6     | -1 483c               | 16 483             |
| $Y_{e,RECS}$ | 83.47 | 4.8    | 68.3   | 68.47      | 0.2222 | -0.0381 | 85.9     | 35 575                | 14 472             |
| $G_{e,RECS}$ | 54.79 | -59.32 | 13.05  | 60.74      | 0.1779 | -0.0632 | 167.5    | 22 512                | -1 512c            |
| $B_{e,RECS}$ | 38.96 | -9.65  | -39.87 | 41.02      | 0.2109 | -0.1086 | 256.3    | 14 474                | 36 581             |

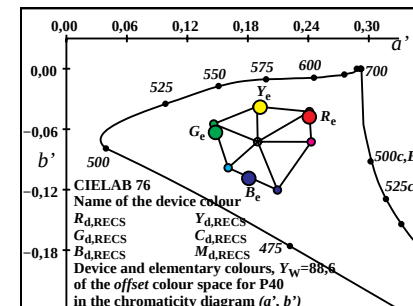
1-000230-L0

SE831-7N\_3



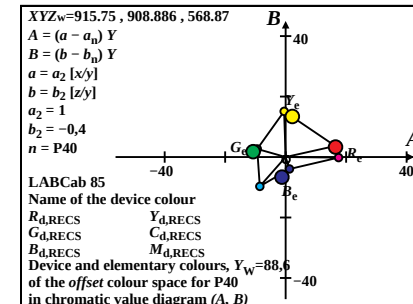
1-000230-L0

SE831-1N\_3



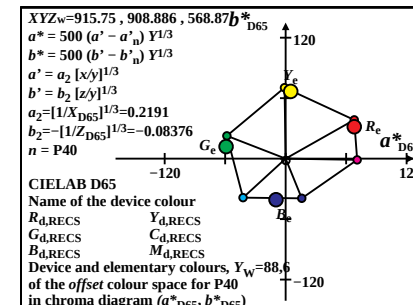
1-000230-L0

SE831-3N\_3



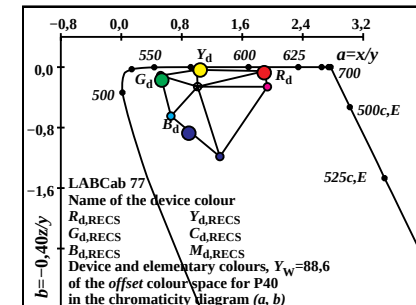
1-000230-L0

SE831-5N\_3



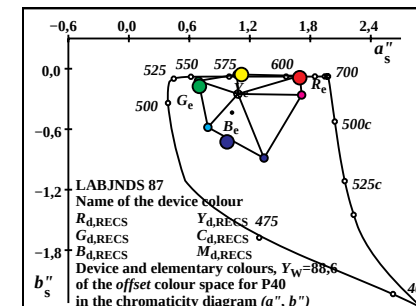
1-000230-L0

SE831-7N\_3



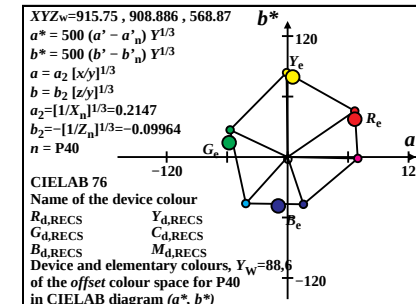
1-000230-L0

SE831-2N\_3



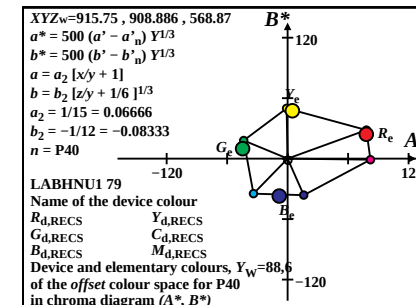
1-000230-L0

SE831-4N\_3



1-000230-L0

SE831-6N\_3



1-000230-L0

SE831-8N\_3

TUB-test chart SE83; Offset print output, use of grid G  
YABCh, LabCh\* data elementary hue circle and grey steps

input: w/rgb/cmyk -> w/rgb/cmyk-  
output: no change

TUB registration: 20130201-SE83/SE83L0NA.TXT /PS  
application for measurement of display output

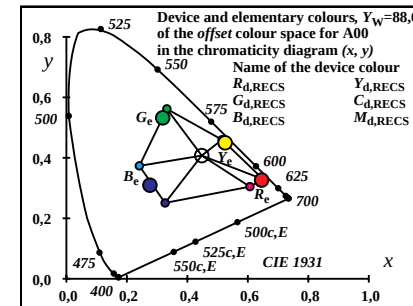
TUB material: code=rha4ta

| Device colours RYGBM <sub>d</sub> of maximum (m) C <sub>AB</sub> for A00, Y <sub>w</sub> =88,6 |       |       |       |        |        |        |                 |                                  |                                 |  |
|------------------------------------------------------------------------------------------------|-------|-------|-------|--------|--------|--------|-----------------|----------------------------------|---------------------------------|--|
| Code                                                                                           | X     | Y     | Z     | x      | y      | z      | h <sub>xy</sub> | i <sub>dm</sub> , λ <sub>d</sub> | i <sub>c</sub> , λ <sub>c</sub> |  |
| R <sub>d</sub> .RECS                                                                           | 43.96 | 22.2  | 1.35  | 0.651  | 0.3288 | 0.0201 | 338.8           | 42 611                           | 19 496                          |  |
| Y <sub>d</sub> .RECS                                                                           | 81.05 | 72.42 | 4.0   | 0.5146 | 0.4598 | 0.0254 | 37.9            | 35 577                           | 14 474                          |  |
| G <sub>d</sub> .RECS                                                                           | 10.36 | 17.52 | 3.3   | 0.3322 | 0.5617 | 0.106  | 126.7           | 24 523                           | -1 523c                         |  |
| C <sub>d</sub> .RECS                                                                           | 13.71 | 21.22 | 21.9  | 0.2412 | 0.3733 | 0.3853 | 189.3           | 17 486                           | 36 584                          |  |
| B <sub>d</sub> .RECS                                                                           | 5.19  | 3.99  | 6.73  | 0.3262 | 0.2508 | 0.4228 | 232.2           | 10 450                           | 34 574                          |  |
| M <sub>d</sub> .RECS                                                                           | 44.56 | 22.37 | 6.5   | 0.6067 | 0.3047 | 0.0885 | 327.1           | -1 501c                          | 20 501                          |  |
| R <sub>e</sub> .RECS                                                                           | 44.15 | 22.34 | 1.91  | 0.6453 | 0.3266 | 0.0279 | 337.7           | 43 615                           | 19 497                          |  |
| Y <sub>e</sub> .RECS                                                                           | 76.18 | 65.29 | 3.71  | 0.5247 | 0.4496 | 0.0255 | 28.6            | 35 579                           | 15 479                          |  |
| G <sub>e</sub> .RECS                                                                           | 12.29 | 20.55 | 5.76  | 0.3184 | 0.5322 | 0.1492 | 135.9           | 21 509                           | -1 509c                         |  |
| B <sub>e</sub> .RECS                                                                           | 8.43  | 9.46  | 12.64 | 0.2761 | 0.3097 | 0.414  | 209.6           | 15 479                           | 35 579                          |  |

| Device colours RYGBM <sub>d</sub> of maximum (m) C <sub>AB</sub> for A00, Y <sub>w</sub> =88,6 |       |        |       |                 |        |         |                 |                                  |                                 |  |
|------------------------------------------------------------------------------------------------|-------|--------|-------|-----------------|--------|---------|-----------------|----------------------------------|---------------------------------|--|
| Code                                                                                           | Y     | A      | B     | C <sub>AB</sub> | a      | b       | h <sub>AB</sub> | i <sub>dm</sub> , λ <sub>d</sub> | i <sub>c</sub> , λ <sub>c</sub> |  |
| R <sub>d</sub> .RECS                                                                           | 22.2  | 19.56  | 2.61  | 19.74           | 1.9797 | -0.0244 | 7.6             | -1 600c                          | 40 600                          |  |
| Y <sub>d</sub> .RECS                                                                           | 72.42 | 1.49   | 8.7   | 8.83            | 1.1191 | -0.0221 | 80.2            | 16 480                           | 35 577                          |  |
| G <sub>d</sub> .RECS                                                                           | 17.52 | -8.88  | 1.17  | 8.96            | 0.5915 | -0.0755 | 172.4           | 19 497                           | 33 566                          |  |
| C <sub>d</sub> .RECS                                                                           | 21.22 | -9.59  | -5.73 | 11.18           | 0.6461 | -0.4127 | 210.8           | 17 485                           | 35 575                          |  |
| B <sub>d</sub> .RECS                                                                           | 3.99  | 0.8    | -2.12 | 2.27            | 1.3005 | -0.6742 | 290.8           | 13 466                           | 36 580                          |  |
| M <sub>d</sub> .RECS                                                                           | 22.37 | 19.97  | 0.58  | 19.98           | 1.991  | -0.1162 | 1.6             | -1 592c                          | 38 592                          |  |
| R <sub>e</sub> .RECS                                                                           | 22.34 | 19.6   | 2.41  | 19.74           | 1.9755 | -0.0342 | 7.0             | -1 598c                          | 39 598                          |  |
| Y <sub>e</sub> .RECS                                                                           | 65.29 | 4.46   | 7.8   | 8.99            | 1.1668 | -0.0227 | 60.2            | 15 475                           | 35 579                          |  |
| G <sub>e</sub> .RECS                                                                           | 20.55 | -10.28 | 0.62  | 10.3            | 0.5982 | -0.1121 | 176.5           | 19 495                           | 33 568                          |  |
| B <sub>e</sub> .RECS                                                                           | 9.46  | -1.95  | -3.71 | 4.19            | 0.8916 | -0.5346 | 242.2           | 15 479                           | 35 578                          |  |

| Device colours RYGBM <sub>d</sub> of maximum (m) C <sub>AB</sub> for A00, Y <sub>w</sub> =88,6 |       |        |        |                  |        |         |                 |                                   |                                  |  |
|------------------------------------------------------------------------------------------------|-------|--------|--------|------------------|--------|---------|-----------------|-----------------------------------|----------------------------------|--|
| Code                                                                                           | L*    | a*     | b*     | C* <sub>ab</sub> | a'     | b'      | h <sub>ab</sub> | i <sub>dm</sub> , λ* <sub>d</sub> | i <sub>c</sub> , λ* <sub>c</sub> |  |
| R <sub>d</sub> .RECS                                                                           | 54.25 | 65.67  | 53.7   | 84.83            | 0.275  | -0.033  | 39.2            | 44 621                            | 16 480                           |  |
| Y <sub>d</sub> .RECS                                                                           | 88.17 | 2.79   | 83.01  | 83.06            | 0.2274 | -0.0319 | 88.0            | 35 577                            | 14 471                           |  |
| G <sub>d</sub> .RECS                                                                           | 48.92 | -52.13 | 21.3   | 56.32            | 0.1839 | -0.048  | 157.7           | 26 532                            | -1 532c                          |  |
| C <sub>d</sub> .RECS                                                                           | 53.2  | -48.32 | -50.81 | 70.12            | 0.1894 | -0.0846 | 226.4           | 15 479                            | 40 604                           |  |
| B <sub>d</sub> .RECS                                                                           | 23.69 | 9.88   | -46.42 | 47.46            | 0.2391 | -0.0996 | 282.0           | 13 468                            | 34 571                           |  |
| M <sub>d</sub> .RECS                                                                           | 54.43 | 66.54  | 7.91   | 67.01            | 0.2756 | -0.0554 | 6.7             | -1 494c                           | 18 494                           |  |
| R <sub>e</sub> .RECS                                                                           | 54.4  | 65.55  | 45.87  | 80.0             | 0.2748 | -0.0369 | 34.9            | -1 482c                           | 16 482                           |  |
| Y <sub>e</sub> .RECS                                                                           | 84.64 | 8.81   | 79.29  | 79.78            | 0.2306 | -0.0322 | 83.6            | 35 579                            | 14 472                           |  |
| G <sub>e</sub> .RECS                                                                           | 52.47 | -54.08 | 9.0    | 54.82            | 0.1846 | -0.0548 | 170.5           | 23 516                            | -1 516c                          |  |
| B <sub>e</sub> .RECS                                                                           | 36.87 | -15.29 | -50.51 | 52.78            | 0.2108 | -0.0922 | 253.1           | 14 474                            | 36 584                           |  |

| Device colours RYGBM <sub>d</sub> of maximum (m) C <sub>AB</sub> for A00, Y <sub>w</sub> =88,6 |       |        |        |                  |        |         |                 |                                   |                                  |  |
|------------------------------------------------------------------------------------------------|-------|--------|--------|------------------|--------|---------|-----------------|-----------------------------------|----------------------------------|--|
| CodeD65                                                                                        | L*    | a*     | b*     | C* <sub>ab</sub> | a'     | b'      | h <sub>ab</sub> | i <sub>dm</sub> , λ* <sub>d</sub> | i <sub>c</sub> , λ* <sub>c</sub> |  |
| R <sub>d</sub> .RECS                                                                           | 54.25 | 68.93  | 37.01  | 78.24            | 0.2751 | -0.033  | 28.2            | -1 483c                           | 16 483                           |  |
| Y <sub>d</sub> .RECS                                                                           | 88.17 | 2.93   | 57.19  | 57.26            | 0.2274 | -0.0319 | 87.0            | 35 577                            | 14 471                           |  |
| G <sub>d</sub> .RECS                                                                           | 48.92 | -54.74 | 14.68  | 56.68            | 0.1839 | -0.048  | 164.9           | 24 523                            | -1 523c                          |  |
| C <sub>d</sub> .RECS                                                                           | 53.2  | -50.73 | -35.01 | 61.64            | 0.1894 | -0.0846 | 214.6           | 16 482                            | -1 482c                          |  |
| B <sub>d</sub> .RECS                                                                           | 23.69 | 10.38  | -32.0  | 33.64            | 0.2391 | -0.0996 | 287.9           | 13 466                            | 33 568                           |  |
| M <sub>d</sub> .RECS                                                                           | 54.43 | 69.85  | 5.45   | 70.06            | 0.2756 | -0.0554 | 4.4             | -1 497c                           | 19 497                           |  |
| R <sub>e</sub> .RECS                                                                           | 54.4  | 68.8   | 31.61  | 75.72            | 0.2749 | -0.0369 | 24.6            | -1 485c                           | 17 485                           |  |
| Y <sub>e</sub> .RECS                                                                           | 84.64 | 9.25   | 54.63  | 55.41            | 0.2306 | -0.0322 | 80.3            | 36 580                            | 14 473                           |  |
| G <sub>e</sub> .RECS                                                                           | 52.47 | -56.78 | 6.2    | 57.11            | 0.1846 | -0.0548 | 173.7           | 22 512                            | -1 512c                          |  |
| B <sub>e</sub> .RECS                                                                           | 36.87 | -16.06 | -34.8  | 38.33            | 0.2108 | -0.0922 | 245.2           | 15 475                            | 37 588                           |  |



| Device colours RYGBCM <sub>d</sub> of maximum (m) C <sub>AB</sub> for E00, Y <sub>w</sub> =88,6 |       |       |       |        |        |        |                 |                                  |                                 |  |
|-------------------------------------------------------------------------------------------------|-------|-------|-------|--------|--------|--------|-----------------|----------------------------------|---------------------------------|--|
| Code                                                                                            | X     | Y     | Z     | x      | y      | z      | h <sub>xy</sub> | i <sub>dm</sub> , λ <sub>d</sub> | i <sub>c</sub> , λ <sub>c</sub> |  |
| R <sub>d,RECS</sub>                                                                             | 31.2  | 16.82 | 3.73  | 0.6027 | 0.325  | 0.0721 | 358.2           | 41 608                           | 17 487                          |  |
| Y <sub>d,RECS</sub>                                                                             | 65.2  | 68.89 | 8.9   | 0.4559 | 0.4817 | 0.0622 | 50.4            | 34 570                           | 13 467                          |  |
| G <sub>d,RECS</sub>                                                                             | 9.97  | 20.11 | 7.65  | 0.2642 | 0.533  | 0.2027 | 109.0           | 25 527                           | -1 527c                         |  |
| C <sub>d,RECS</sub>                                                                             | 19.37 | 26.48 | 60.45 | 0.1822 | 0.2491 | 0.5686 | 209.1           | 15 479                           | 36 580                          |  |
| B <sub>d,RECS</sub>                                                                             | 6.54  | 4.53  | 19.79 | 0.2121 | 0.1467 | 0.6411 | 237.0           | 11 457                           | 33 567                          |  |
| M <sub>d,RECS</sub>                                                                             | 33.85 | 17.45 | 19.53 | 0.4778 | 0.2464 | 0.2757 | 328.9           | -1 494c                          | 18 494                          |  |
| R <sub>e,RECS</sub>                                                                             | 31.58 | 17.02 | 5.4   | 0.5847 | 0.3151 | 0.1001 | 355.8           | 43 615                           | 17 487                          |  |
| Y <sub>e,RECS</sub>                                                                             | 60.63 | 61.44 | 8.38  | 0.4647 | 0.4709 | 0.0642 | 46.3            | 34 572                           | 14 471                          |  |
| G <sub>e,RECS</sub>                                                                             | 12.45 | 23.83 | 14.31 | 0.246  | 0.4709 | 0.2829 | 122.3           | 21 509                           | -1 509c                         |  |
| B <sub>e,RECS</sub>                                                                             | 11.41 | 11.49 | 36.04 | 0.1936 | 0.1948 | 0.6114 | 224.7           | 14 472                           | 34 573                          |  |

1-000430-L0

SE830-1N\_5

| Device colours RYGBCM <sub>d</sub> of maximum (m) C <sub>AB</sub> for E00, Y <sub>w</sub> =88,6 |       |        |        |                 |        |         |                 |                                  |                                 |  |
|-------------------------------------------------------------------------------------------------|-------|--------|--------|-----------------|--------|---------|-----------------|----------------------------------|---------------------------------|--|
| Code                                                                                            | Y     | A      | B      | C <sub>AB</sub> | a      | b       | h <sub>AB</sub> | i <sub>dm</sub> , λ <sub>d</sub> | i <sub>c</sub> , λ <sub>c</sub> |  |
| R <sub>d,RECS</sub>                                                                             | 16.82 | 14.37  | 5.23   | 15.3            | 1.8544 | -0.0888 | 20.0            | 41 608                           | 17 487                          |  |
| Y <sub>d,RECS</sub>                                                                             | 68.89 | -3.68  | 23.99  | 24.27           | 0.9464 | -0.0516 | 98.7            | 34 570                           | 13 467                          |  |
| G <sub>d,RECS</sub>                                                                             | 20.11 | -10.14 | 4.98   | 11.3            | 0.4957 | -0.1521 | 153.8           | 25 527                           | -1 527c                         |  |
| C <sub>d,RECS</sub>                                                                             | 26.48 | -7.11  | -13.58 | 15.33           | 0.7315 | -0.913  | 242.3           | 15 479                           | 36 580                          |  |
| B <sub>d,RECS</sub>                                                                             | 4.53  | 2.01   | -6.1   | 6.42            | 1.4452 | -1.7472 | 288.2           | 11 457                           | 33 567                          |  |
| M <sub>d,RECS</sub>                                                                             | 17.45 | 16.39  | -0.83  | 16.41           | 1.9393 | -0.4476 | 357.0           | -1 494c                          | 18 494                          |  |
| R <sub>e,RECS</sub>                                                                             | 17.02 | 14.56  | 4.64   | 15.28           | 1.8554 | -0.127  | 17.6            | 43 615                           | 17 487                          |  |
| Y <sub>e,RECS</sub>                                                                             | 61.44 | -0.81  | 21.22  | 21.24           | 0.9867 | -0.0545 | 92.1            | 34 572                           | 14 471                          |  |
| G <sub>e,RECS</sub>                                                                             | 23.83 | -11.38 | 3.8    | 12.0            | 0.5224 | -0.2403 | 161.5           | 21 509                           | -1 509c                         |  |
| B <sub>e,RECS</sub>                                                                             | 11.49 | -0.07  | -9.82  | 9.82            | 0.9935 | -1.2549 | 269.5           | 14 472                           | 34 573                          |  |

1-000430-L0

SE830-3N\_5

| Device colours RYGBCM <sub>d</sub> of maximum (m) C <sub>AB</sub> for E00, Y <sub>w</sub> =88,6 |       |        |        |                  |        |         |                 |                                   |                                  |  |
|-------------------------------------------------------------------------------------------------|-------|--------|--------|------------------|--------|---------|-----------------|-----------------------------------|----------------------------------|--|
| Code                                                                                            | L*    | a*     | b*     | C* <sub>ab</sub> | a'     | b'      | h <sub>ab</sub> | i <sub>dm</sub> , λ* <sub>d</sub> | i <sub>c</sub> , λ* <sub>c</sub> |  |
| R <sub>d,RECS</sub>                                                                             | 48.05 | 63.07  | 43.51  | 76.62            | 0.2691 | -0.0507 | 34.5            | -1 479c                           | 15 479                           |  |
| Y <sub>d,RECS</sub>                                                                             | 86.45 | -8.02  | 87.31  | 87.68            | 0.2151 | -0.0423 | 95.2            | 33 569                            | 14 471                           |  |
| G <sub>d,RECS</sub>                                                                             | 51.98 | -61.07 | 32.26  | 69.07            | 0.1733 | -0.0606 | 152.1           | 24 521                            | -1 523c                          |  |
| C <sub>d,RECS</sub>                                                                             | 58.5  | -31.76 | -40.66 | 51.6             | 0.1973 | -0.1102 | 232.0           | 15 477                            | 41 607                           |  |
| B <sub>d,RECS</sub>                                                                             | 25.38 | 23.25  | -45.22 | 50.85            | 0.2476 | -0.1368 | 297.2           | 13 465                            | 30 554                           |  |
| M <sub>d,RECS</sub>                                                                             | 48.84 | 69.01  | -4.26  | 69.14            | 0.2731 | -0.0869 | 356.4           | -1 497c                           | 19 497                           |  |
| R <sub>e,RECS</sub>                                                                             | 48.29 | 63.38  | 35.18  | 72.49            | 0.2692 | -0.0571 | 29.0            | -1 481c                           | 16 481                           |  |
| Y <sub>e,RECS</sub>                                                                             | 82.62 | -1.88  | 82.47  | 82.49            | 0.2181 | -0.0431 | 91.3            | 34 572                            | 14 471                           |  |
| G <sub>e,RECS</sub>                                                                             | 55.93 | -60.29 | 19.36  | 63.32            | 0.1764 | -0.0706 | 162.1           | 22 513                            | -1 513c                          |  |
| B <sub>e,RECS</sub>                                                                             | 40.41 | -0.52  | -45.09 | 45.09            | 0.2185 | -0.1225 | 269.3           | 14 472                            | 34 573                           |  |

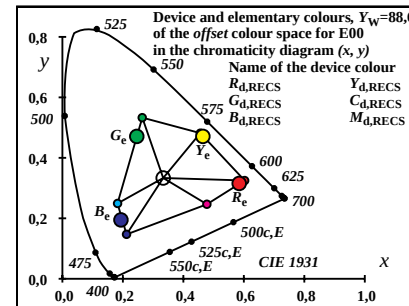
1-000430-L0

SE830-5N\_5

| Device colours RYGBCM <sub>d</sub> of maximum (m) C <sub>AB</sub> for E00, Y <sub>w</sub> =88,6 |       |        |        |                  |        |         |                 |                                   |                                  |  |
|-------------------------------------------------------------------------------------------------|-------|--------|--------|------------------|--------|---------|-----------------|-----------------------------------|----------------------------------|--|
| CodeD65                                                                                         | L*    | a*     | b*     | C* <sub>ab</sub> | a'     | b'      | h <sub>ab</sub> | i <sub>dm</sub> , λ* <sub>d</sub> | i <sub>c</sub> , λ* <sub>c</sub> |  |
| R <sub>d,RECS</sub>                                                                             | 48.05 | 64.17  | 42.33  | 76.87            | 0.2691 | -0.0507 | 33.4            | -1 480c                           | 16 480                           |  |
| Y <sub>d,RECS</sub>                                                                             | 86.45 | -8.15  | 84.89  | 85.28            | 0.2151 | -0.0423 | 95.4            | 33 569                            | 14 471                           |  |
| G <sub>d,RECS</sub>                                                                             | 51.98 | -62.14 | 31.37  | 69.61            | 0.1734 | -0.0606 | 153.2           | 24 521                            | -1 521c                          |  |
| C <sub>d,RECS</sub>                                                                             | 58.5  | -32.32 | -39.53 | 51.06            | 0.1974 | -0.1102 | 230.7           | 15 477                            | 42 610                           |  |
| B <sub>d,RECS</sub>                                                                             | 25.38 | 23.67  | -43.98 | 49.95            | 0.2476 | -0.1368 | 298.2           | 12 464                            | 30 553                           |  |
| M <sub>d,RECS</sub>                                                                             | 48.84 | 70.21  | -4.14  | 70.33            | 0.2732 | -0.0869 | 356.6           | -1 497c                           | 19 497                           |  |
| R <sub>e,RECS</sub>                                                                             | 48.29 | 64.48  | 34.22  | 73.0             | 0.2692 | -0.0571 | 27.9            | -1 481c                           | 16 481                           |  |
| Y <sub>e,RECS</sub>                                                                             | 82.62 | -1.92  | 80.18  | 80.21            | 0.2181 | -0.0431 | 91.3            | 34 572                            | 14 471                           |  |
| G <sub>e,RECS</sub>                                                                             | 55.93 | -61.34 | 18.82  | 64.17            | 0.1764 | -0.0706 | 162.9           | 22 512                            | -1 512c                          |  |
| B <sub>e,RECS</sub>                                                                             | 40.41 | -0.53  | -43.84 | 43.84            | 0.2186 | -0.1226 | 269.3           | 14 472                            | 34 573                           |  |

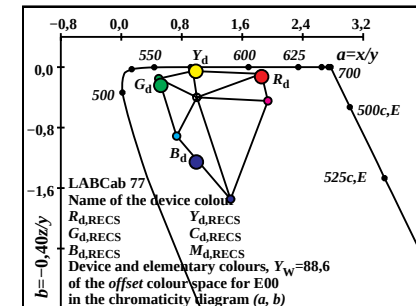
1-000430-L0

SE830-7N\_5



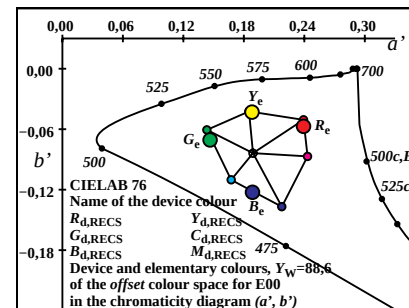
1-000430-L0

SE831-1N\_5



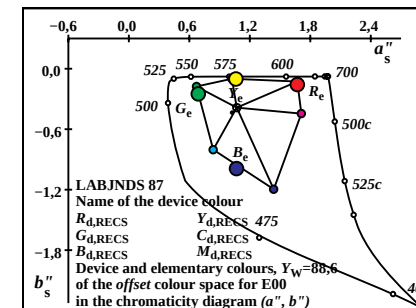
1-000430-L0

SE831-2N\_5



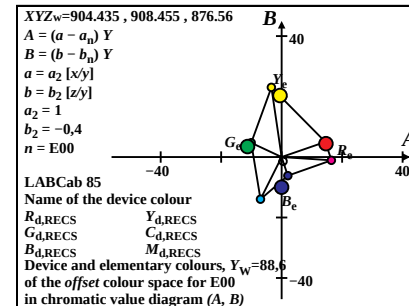
1-000430-L0

SE831-3N\_5



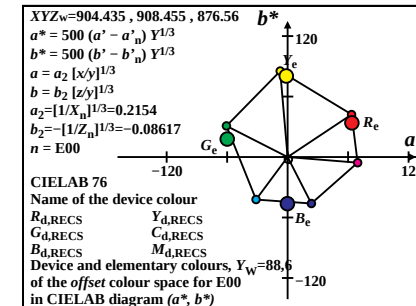
1-000430-L0

SE831-4N\_5



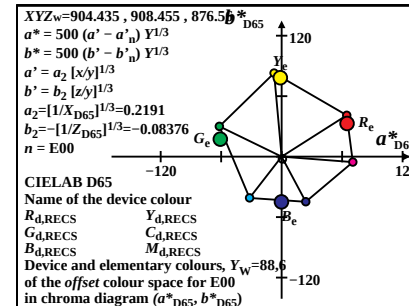
1-000430-L0

SE831-5N\_5



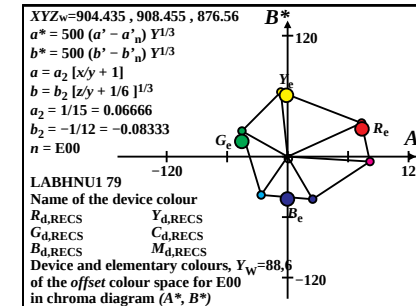
1-000430-L0

SE831-6N\_5



1-000430-L0

SE831-7N\_5



1-000430-L0

SE831-8N\_5

TUB-test chart SE83; Offset print output, use of grid G  
YABCh, LabCh\* data elementary hue circle and grey steps

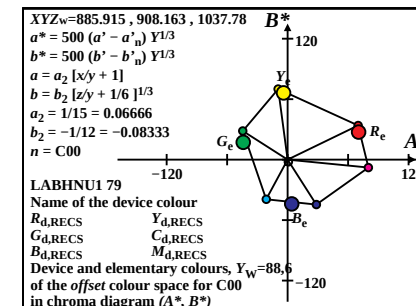
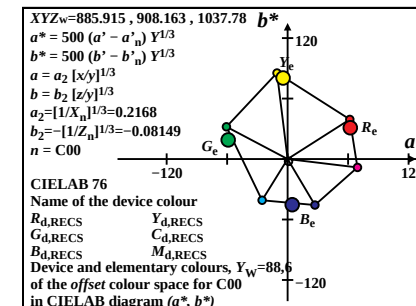
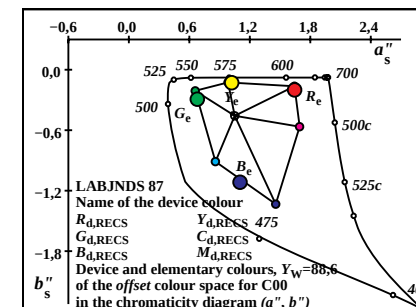
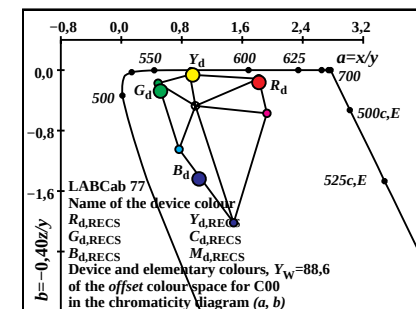
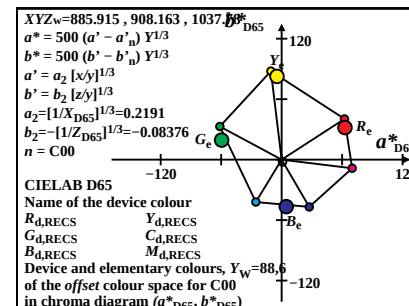
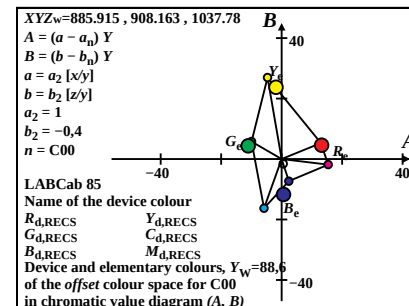
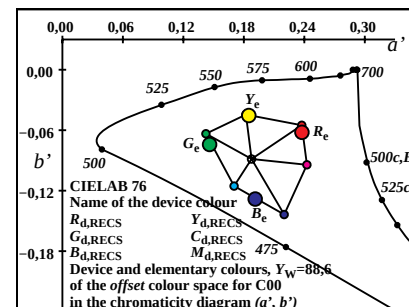
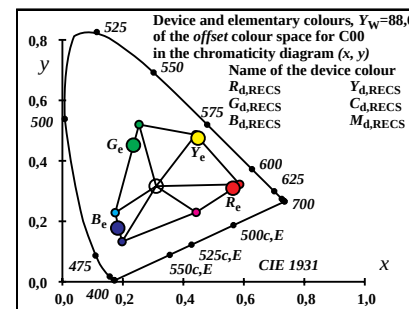
input: w/rgb/cmyk -> w/rgb/cmyk-  
output: no change

| Device colours RYGBM <sub>d</sub> of maximum (m) C <sub>AB</sub> for C00, Y <sub>w</sub> =88,6 |       |       |       |        |        |        |                 |                                  |                                 |  |
|------------------------------------------------------------------------------------------------|-------|-------|-------|--------|--------|--------|-----------------|----------------------------------|---------------------------------|--|
| Code                                                                                           | X     | Y     | Z     | x      | y      | z      | h <sub>xy</sub> | i <sub>dm</sub> , λ <sub>d</sub> | i <sub>c</sub> , λ <sub>c</sub> |  |
| R <sub>d</sub> .RECS                                                                           | 28.0  | 15.39 | 4.38  | 0.586  | 0.3222 | 0.0916 | 1.2             | 41 608                           | 17 485                          |  |
| Y <sub>d</sub> .RECS                                                                           | 61.52 | 67.85 | 10.19 | 0.4408 | 0.4861 | 0.073  | 52.4            | 33 569                           | 13 466                          |  |
| G <sub>d</sub> .RECS                                                                           | 9.93  | 20.38 | 8.87  | 0.2534 | 0.5201 | 0.2264 | 105.4           | 25 528                           | -1 528c                         |  |
| C <sub>d</sub> .RECS                                                                           | 21.09 | 27.59 | 72.17 | 0.1745 | 0.2283 | 0.5971 | 212.9           | 15 477                           | 35 578                          |  |
| B <sub>d</sub> .RECS                                                                           | 6.95  | 4.67  | 23.6  | 0.1973 | 0.1327 | 0.6699 | 238.4           | 11 458                           | 33 566                          |  |
| M <sub>d</sub> .RECS                                                                           | 31.19 | 16.19 | 23.14 | 0.4423 | 0.2296 | 0.328  | 326.8           | -1 493c                          | 18 493                          |  |
| R <sub>e</sub> .RECS                                                                           | 28.43 | 15.61 | 6.35  | 0.5641 | 0.3097 | 0.1261 | 358.5           | 43 615                           | 17 486                          |  |
| Y <sub>e</sub> .RECS                                                                           | 56.96 | 60.32 | 9.62  | 0.4488 | 0.4752 | 0.0758 | 48.8            | 34 570                           | 13 469                          |  |
| G <sub>e</sub> .RECS                                                                           | 12.58 | 24.23 | 16.79 | 0.2346 | 0.452  | 0.3133 | 118.9           | 21 509                           | -1 509c                         |  |
| B <sub>e</sub> .RECS                                                                           | 12.3  | 11.94 | 43.0  | 0.1829 | 0.1776 | 0.6394 | 227.4           | 14 470                           | 34 571                          |  |

| Device colours RYGBM <sub>d</sub> of maximum (m) C <sub>AB</sub> for C00, Y <sub>w</sub> =88,6 |       |        |        |                 |        |         |                 |                                  |                                 |  |
|------------------------------------------------------------------------------------------------|-------|--------|--------|-----------------|--------|---------|-----------------|----------------------------------|---------------------------------|--|
| Code                                                                                           | Y     | A      | B      | C <sub>AB</sub> | a      | b       | h <sub>AB</sub> | i <sub>dm</sub> , λ <sub>d</sub> | i <sub>c</sub> , λ <sub>c</sub> |  |
| R <sub>d</sub> .RECS                                                                           | 15.39 | 12.9   | 5.53   | 14.03           | 1.8185 | -0.1137 | 23.2            | 41 606                           | 16 484                          |  |
| Y <sub>d</sub> .RECS                                                                           | 67.85 | -5.01  | 28.01  | 28.45           | 0.9067 | -0.0601 | 100.1           | 33 569                           | 13 469                          |  |
| G <sub>d</sub> .RECS                                                                           | 20.38 | -10.05 | 6.09   | 11.75           | 0.4873 | -0.1741 | 148.7           | 26 532                           | -1 532c                         |  |
| C <sub>d</sub> .RECS                                                                           | 27.59 | -5.96  | -15.82 | 16.9            | 0.7644 | -1.0462 | 249.3           | 15 477                           | 35 579                          |  |
| B <sub>d</sub> .RECS                                                                           | 4.67  | 2.36   | -7.22  | 7.6             | 1.4863 | -2.0187 | 288.1           | 11 456                           | 32 563                          |  |
| M <sub>d</sub> .RECS                                                                           | 16.19 | 15.31  | -1.59  | 15.39           | 1.9261 | -0.5714 | 354.0           | -1 490c                          | 18 490                          |  |
| R <sub>e</sub> .RECS                                                                           | 15.61 | 13.12  | 4.83   | 13.98           | 1.8212 | -0.1628 | 20.2            | 42 612                           | 16 484                          |  |
| Y <sub>e</sub> .RECS                                                                           | 60.32 | -2.18  | 24.67  | 24.77           | 0.9444 | -0.0638 | 95.0            | 34 570                           | 14 471                          |  |
| G <sub>e</sub> .RECS                                                                           | 24.23 | -11.18 | 4.74   | 12.14           | 0.5191 | -0.2772 | 157.0           | 23 518                           | -1 518c                         |  |
| B <sub>e</sub> .RECS                                                                           | 11.94 | 0.58   | -11.55 | 11.56           | 1.0297 | -1.4396 | 272.9           | 14 470                           | 33 569                          |  |

| Device colours RYGBM <sub>d</sub> of maximum (m) C <sub>AB</sub> for C00, Y <sub>w</sub> =88,6 |       |        |        |                  |        |         |                 |                                   |                                  |  |
|------------------------------------------------------------------------------------------------|-------|--------|--------|------------------|--------|---------|-----------------|-----------------------------------|----------------------------------|--|
| Code                                                                                           | L*    | a*     | b*     | C* <sub>ab</sub> | a'     | b'      | h <sub>ab</sub> | i <sub>dm</sub> , λ* <sub>d</sub> | i <sub>c</sub> , λ* <sub>c</sub> |  |
| R <sub>d</sub> .RECS                                                                           | 46.18 | 61.23  | 40.48  | 73.4             | 0.2674 | -0.055  | 33.4            | -1 479c                           | 15 479                           |  |
| Y <sub>d</sub> .RECS                                                                           | 85.93 | -11.33 | 87.36  | 88.09            | 0.212  | -0.0445 | 97.3            | 33 567                            | 14 470                           |  |
| G <sub>d</sub> .RECS                                                                           | 52.27 | -61.14 | 33.32  | 69.64            | 0.1724 | -0.0634 | 151.4           | 24 521                            | -1 521c                          |  |
| C <sub>d</sub> .RECS                                                                           | 59.52 | -25.92 | -39.45 | 47.2             | 0.2003 | -0.1153 | 236.6           | 15 476                            | 40 601                           |  |
| B <sub>d</sub> .RECS                                                                           | 25.82 | 26.75  | -44.8  | 52.18            | 0.2499 | -0.1436 | 300.8           | 12 464                            | 29 549                           |  |
| M <sub>d</sub> .RECS                                                                           | 47.24 | 68.75  | -7.09  | 69.11            | 0.2725 | -0.0943 | 354.1           | -1 498c                           | 19 498                           |  |
| R <sub>e</sub> .RECS                                                                           | 46.47 | 61.67  | 32.17  | 69.56            | 0.2675 | -0.062  | 27.5            | -1 480c                           | 16 480                           |  |
| Y <sub>e</sub> .RECS                                                                           | 82.01 | -5.27  | 82.28  | 82.45            | 0.2149 | -0.0454 | 93.6            | 33 569                            | 14 471                           |  |
| G <sub>e</sub> .RECS                                                                           | 56.32 | -59.53 | 20.32  | 62.9             | 0.176  | -0.0741 | 161.1           | 22 512                            | -1 512c                          |  |
| B <sub>e</sub> .RECS                                                                           | 41.15 | 4.03   | -44.24 | 44.43            | 0.2212 | -0.1283 | 275.2           | 14 471                            | 33 568                           |  |

| Device colours RYGBM <sub>d</sub> of maximum (m) C <sub>AB</sub> for C00, Y <sub>w</sub> =88,6 |       |        |        |                  |        |         |                 |                                   |                                  |  |
|------------------------------------------------------------------------------------------------|-------|--------|--------|------------------|--------|---------|-----------------|-----------------------------------|----------------------------------|--|
| CodeD65                                                                                        | L*    | a*     | b*     | C* <sub>ab</sub> | a'     | b'      | h <sub>ab</sub> | i <sub>dm</sub> , λ* <sub>d</sub> | i <sub>c</sub> , λ* <sub>c</sub> |  |
| R <sub>d</sub> .RECS                                                                           | 46.18 | 61.89  | 41.65  | 74.6             | 0.2674 | -0.055  | 33.9            | -1 479c                           | 15 479                           |  |
| Y <sub>d</sub> .RECS                                                                           | 85.93 | -11.45 | 89.81  | 90.54            | 0.212  | -0.0445 | 97.2            | 33 567                            | 14 470                           |  |
| G <sub>d</sub> .RECS                                                                           | 52.27 | -61.82 | 34.26  | 70.68            | 0.1724 | -0.0634 | 151.0           | 24 521                            | -1 521c                          |  |
| C <sub>d</sub> .RECS                                                                           | 59.52 | -26.21 | -40.55 | 48.28            | 0.2003 | -0.1153 | 237.1           | 15 476                            | 40 600                           |  |
| B <sub>d</sub> .RECS                                                                           | 25.82 | 27.06  | -46.07 | 53.43            | 0.25   | -0.1436 | 300.4           | 12 464                            | 29 549                           |  |
| M <sub>d</sub> .RECS                                                                           | 47.24 | 69.49  | -7.29  | 69.87            | 0.2726 | -0.0943 | 354.0           | -1 498c                           | 19 498                           |  |
| R <sub>e</sub> .RECS                                                                           | 46.47 | 62.34  | 33.09  | 70.58            | 0.2675 | -0.062  | 27.9            | -1 480c                           | 16 480                           |  |
| Y <sub>e</sub> .RECS                                                                           | 82.01 | -5.32  | 84.6   | 84.77            | 0.2149 | -0.0454 | 93.6            | 33 569                            | 14 471                           |  |
| G <sub>e</sub> .RECS                                                                           | 56.32 | -60.18 | 20.89  | 63.7             | 0.1761 | -0.0741 | 160.8           | 22 512                            | -1 512c                          |  |
| B <sub>e</sub> .RECS                                                                           | 41.15 | 4.08   | -45.49 | 45.67            | 0.2212 | -0.1283 | 275.1           | 14 471                            | 33 568                           |  |

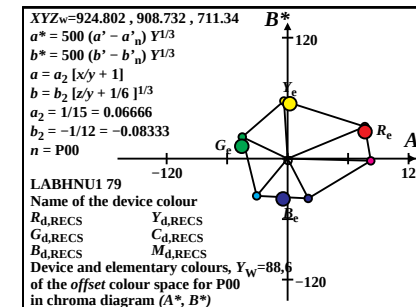
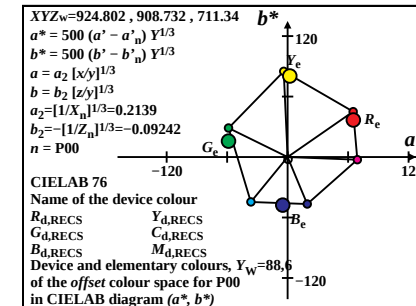
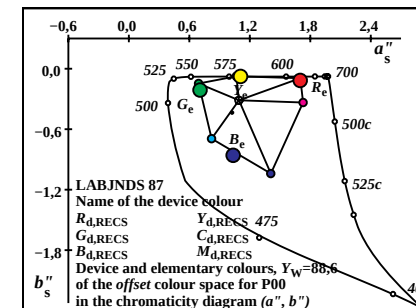
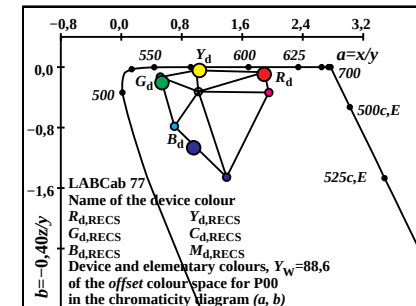
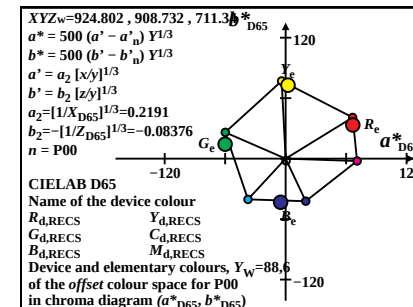
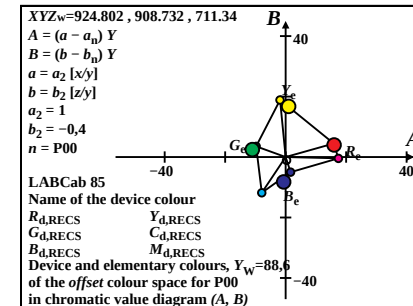
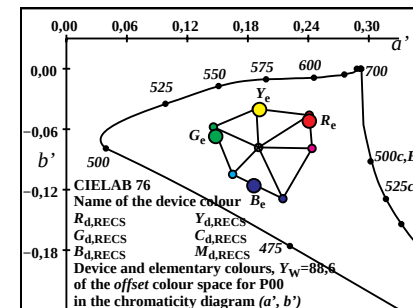
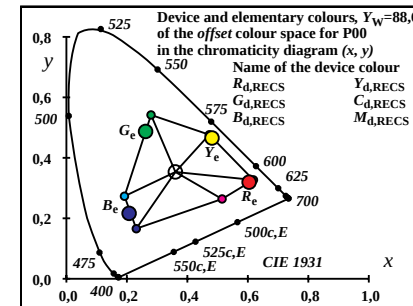


| Device colours RYGBM <sub>d</sub> of maximum (m) C <sub>AB</sub> for P00, Y <sub>w</sub> =88,6 |       |       |       |        |        |        |                 |                                  |                                 |  |  |
|------------------------------------------------------------------------------------------------|-------|-------|-------|--------|--------|--------|-----------------|----------------------------------|---------------------------------|--|--|
| Code                                                                                           | X     | Y     | Z     | x      | y      | z      | h <sub>xy</sub> | i <sub>dm</sub> , λ <sub>d</sub> | i <sub>c</sub> , λ <sub>c</sub> |  |  |
| R <sub>d</sub> .RECS                                                                           | 34.42 | 18.19 | 3.03  | 0.6185 | 0.3268 | 0.0545 | 354.1           | 41 609                           | 17 488                          |  |  |
| Y <sub>d</sub> .RECS                                                                           | 69.24 | 69.85 | 7.49  | 0.4723 | 0.4765 | 0.0511 | 47.7            | 34 572                           | 13 469                          |  |  |
| G <sub>d</sub> .RECS                                                                           | 10.05 | 19.46 | 6.4   | 0.2799 | 0.5418 | 0.1781 | 113.0           | 25 527                           | -1 527c                         |  |  |
| C <sub>d</sub> .RECS                                                                           | 17.67 | 25.11 | 49.18 | 0.1921 | 0.273  | 0.5348 | 205.4           | 16 480                           | 36 581                          |  |  |
| B <sub>d</sub> .RECS                                                                           | 6.1   | 4.38  | 15.94 | 0.2309 | 0.1657 | 0.6032 | 235.3           | 11 457                           | 33 569                          |  |  |
| M <sub>d</sub> .RECS                                                                           | 36.46 | 18.69 | 15.67 | 0.5147 | 0.2638 | 0.2213 | 329.9           | -1 495c                          | 19 495                          |  |  |
| R <sub>e</sub> .RECS                                                                           | 34.74 | 18.37 | 4.37  | 0.6043 | 0.3195 | 0.0761 | 352.1           | 43 615                           | 17 489                          |  |  |
| Y <sub>e</sub> .RECS                                                                           | 64.58 | 62.47 | 7.03  | 0.4816 | 0.4658 | 0.0524 | 42.9            | 34 574                           | 14 472                          |  |  |
| G <sub>e</sub> .RECS                                                                           | 12.36 | 23.0  | 11.83 | 0.2619 | 0.4872 | 0.2507 | 126.2           | 21 508                           | -1 508c                         |  |  |
| B <sub>e</sub> .RECS                                                                           | 10.48 | 10.95 | 29.17 | 0.2072 | 0.2163 | 0.5764 | 221.7           | 14 473                           | 34 574                          |  |  |

| Device colours RYGBM <sub>d</sub> of maximum (m) C <sub>AB</sub> for P00, Y <sub>w</sub> =88,6 |       |        |        |                 |        |         |                 |                                  |                                 |  |  |
|------------------------------------------------------------------------------------------------|-------|--------|--------|-----------------|--------|---------|-----------------|----------------------------------|---------------------------------|--|--|
| Code                                                                                           | Y     | A      | B      | C <sub>AB</sub> | a      | b       | h <sub>AB</sub> | i <sub>dm</sub> , λ <sub>d</sub> | i <sub>c</sub> , λ <sub>c</sub> |  |  |
| R <sub>d</sub> .RECS                                                                           | 18.19 | 15.85  | 4.68   | 16.53           | 1.8922 | -0.0668 | 16.4            | 42 613                           | 18 491                          |  |  |
| Y <sub>d</sub> .RECS                                                                           | 69.85 | -2.05  | 19.65  | 19.75           | 0.9913 | -0.0429 | 95.9            | 34 572                           | 12 463                          |  |  |
| G <sub>d</sub> .RECS                                                                           | 19.46 | -9.81  | 3.75   | 10.5            | 0.5165 | -0.1315 | 159.0           | 23 516                           | -1 516c                         |  |  |
| C <sub>d</sub> .RECS                                                                           | 25.11 | -7.96  | -11.53 | 14.01           | 0.7036 | -0.7834 | 235.3           | 16 480                           | 35 579                          |  |  |
| B <sub>d</sub> .RECS                                                                           | 4.38  | 1.63   | -4.95  | 5.21            | 1.3934 | -1.4557 | 288.2           | 12 460                           | 34 571                          |  |  |
| M <sub>d</sub> .RECS                                                                           | 18.69 | 17.38  | -0.21  | 17.38           | 1.9506 | -0.3354 | 359.3           | -1 503c                          | 20 503                          |  |  |
| R <sub>e</sub> .RECS                                                                           | 18.37 | 15.99  | 4.2    | 16.53           | 1.8912 | -0.0953 | 14.7            | 44 624                           | 18 492                          |  |  |
| Y <sub>e</sub> .RECS                                                                           | 62.47 | 0.82   | 17.44  | 17.46           | 1.0338 | -0.045  | 87.2            | 34 574                           | 14 470                          |  |  |
| G <sub>e</sub> .RECS                                                                           | 23.0  | -11.11 | 2.72   | 11.44           | 0.5375 | -0.2058 | 166.2           | 20 502                           | -1 502c                         |  |  |
| B <sub>e</sub> .RECS                                                                           | 10.95 | -0.68  | -8.12  | 8.14            | 0.9577 | -1.0657 | 265.1           | 14 473                           | 35 575                          |  |  |

| Device colours RYGBM <sub>d</sub> of maximum (m) C <sub>AB</sub> for P00, Y <sub>w</sub> =88,6 |       |        |        |                  |        |         |                 |                                   |                                  |  |  |
|------------------------------------------------------------------------------------------------|-------|--------|--------|------------------|--------|---------|-----------------|-----------------------------------|----------------------------------|--|--|
| Code                                                                                           | L*    | a*     | b*     | C* <sub>ab</sub> | a'     | b'      | h <sub>ab</sub> | i <sub>dm</sub> , λ* <sub>d</sub> | i <sub>c</sub> , λ* <sub>c</sub> |  |  |
| R <sub>d</sub> .RECS                                                                           | 49.73 | 64.71  | 46.35  | 79.59            | 0.2709 | -0.0461 | 35.6            | -1 480c                           | 16 480                           |  |  |
| Y <sub>d</sub> .RECS                                                                           | 86.92 | -4.29  | 87.0   | 87.1             | 0.2184 | -0.0397 | 92.8            | 34 572                            | 14 471                           |  |  |
| G <sub>d</sub> .RECS                                                                           | 51.24 | -58.82 | 30.09  | 66.07            | 0.1757 | -0.0578 | 152.9           | 25 525                            | -1 525c                          |  |  |
| C <sub>d</sub> .RECS                                                                           | 57.19 | -36.76 | -43.12 | 56.67            | 0.1948 | -0.1047 | 229.5           | 15 477                            | 41 609                           |  |  |
| B <sub>d</sub> .RECS                                                                           | 24.92 | 19.25  | -45.77 | 49.65            | 0.2446 | -0.1288 | 292.8           | 13 466                            | 31 559                           |  |  |
| M <sub>d</sub> .RECS                                                                           | 50.33 | 68.87  | -1.3   | 68.88            | 0.2737 | -0.0789 | 358.9           | -1 496c                           | 19 496                           |  |  |
| R <sub>e</sub> .RECS                                                                           | 49.95 | 64.85  | 38.07  | 75.2             | 0.2709 | -0.0519 | 30.4            | -1 481c                           | 16 481                           |  |  |
| Y <sub>e</sub> .RECS                                                                           | 83.17 | 1.83   | 82.38  | 82.4             | 0.2215 | -0.0404 | 88.7            | 34 574                            | 14 472                           |  |  |
| G <sub>e</sub> .RECS                                                                           | 55.08 | -58.92 | 17.22  | 61.39            | 0.1781 | -0.0671 | 163.7           | 22 514                            | -1 514c                          |  |  |
| B <sub>e</sub> .RECS                                                                           | 39.51 | -5.01  | -46.56 | 46.83            | 0.2159 | -0.1161 | 263.8           | 14 472                            | 35 577                           |  |  |

| Device colours RYGBM <sub>d</sub> of maximum (m) C <sub>AB</sub> for P00, Y <sub>w</sub> =88,6 |       |        |        |                  |        |         |                 |                                   |                                  |  |  |
|------------------------------------------------------------------------------------------------|-------|--------|--------|------------------|--------|---------|-----------------|-----------------------------------|----------------------------------|--|--|
| CodeD65                                                                                        | L*    | a*     | b*     | C* <sub>ab</sub> | a'     | b'      | h <sub>ab</sub> | i <sub>dm</sub> , λ* <sub>d</sub> | i <sub>c</sub> , λ* <sub>c</sub> |  |  |
| R <sub>d</sub> .RECS                                                                           | 49.73 | 66.28  | 42.04  | 78.49            | 0.271  | -0.0461 | 32.3            | -1 480c                           | 16 480                           |  |  |
| Y <sub>d</sub> .RECS                                                                           | 86.92 | -4.39  | 78.87  | 78.99            | 0.2184 | -0.0397 | 93.1            | 34 571                            | 14 471                           |  |  |
| G <sub>d</sub> .RECS                                                                           | 51.24 | -60.27 | 27.28  | 66.16            | 0.1758 | -0.0578 | 155.6           | 24 522                            | -1 522c                          |  |  |
| C <sub>d</sub> .RECS                                                                           | 57.19 | -37.66 | -39.09 | 54.28            | 0.1948 | -0.1047 | 226.0           | 15 478                            | 43 618                           |  |  |
| B <sub>d</sub> .RECS                                                                           | 24.92 | 19.73  | -41.51 | 45.97            | 0.2447 | -0.1288 | 295.4           | 13 465                            | 31 557                           |  |  |
| M <sub>d</sub> .RECS                                                                           | 50.33 | 70.55  | -1.18  | 70.56            | 0.2737 | -0.0789 | 359.0           | -1 496c                           | 19 496                           |  |  |
| R <sub>e</sub> .RECS                                                                           | 49.95 | 66.43  | 34.53  | 74.87            | 0.2709 | -0.0519 | 27.4            | -1 482c                           | 16 482                           |  |  |
| Y <sub>e</sub> .RECS                                                                           | 83.17 | 1.87   | 74.69  | 74.71            | 0.2215 | -0.0404 | 88.5            | 34 574                            | 14 472                           |  |  |
| G <sub>e</sub> .RECS                                                                           | 55.08 | -60.36 | 15.61  | 62.35            | 0.1781 | -0.0671 | 165.4           | 22 512                            | -1 512c                          |  |  |
| B <sub>e</sub> .RECS                                                                           | 39.51 | -5.14  | -42.21 | 42.53            | 0.2159 | -0.1161 | 263.0           | 14 472                            | 35 578                           |  |  |

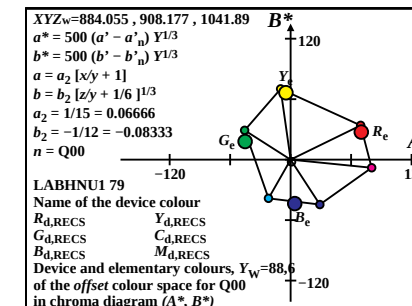
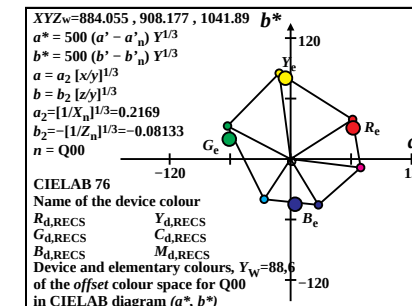
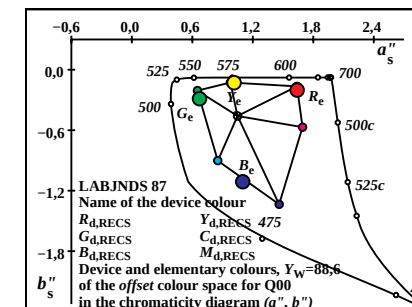
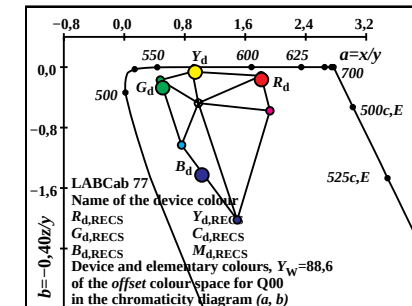
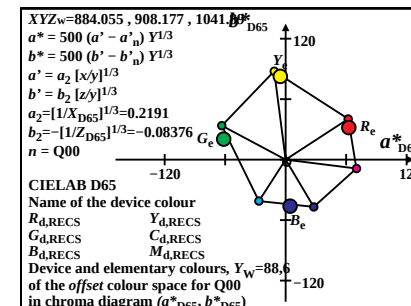
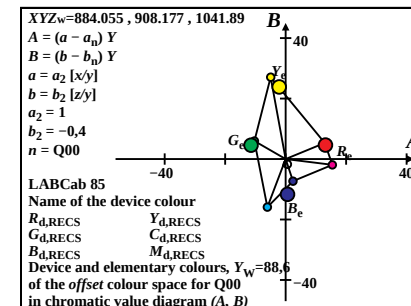
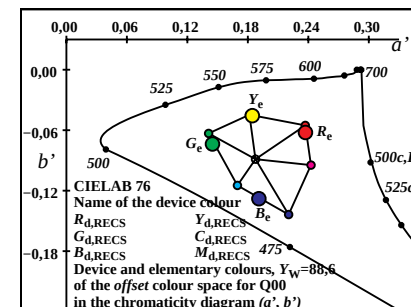
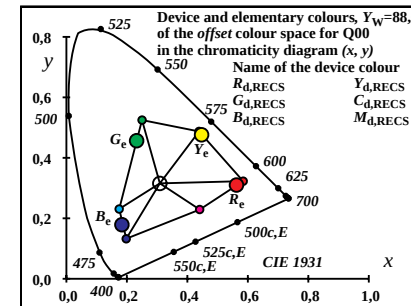


| Device colours RYGBM <sub>d</sub> of maximum (m) C <sub>AB</sub> for Q00, Y <sub>w</sub> =88,6 |       |       |       |        |        |        |                 |                                  |                                 |  |
|------------------------------------------------------------------------------------------------|-------|-------|-------|--------|--------|--------|-----------------|----------------------------------|---------------------------------|--|
| Code                                                                                           | X     | Y     | Z     | x      | y      | z      | h <sub>xy</sub> | i <sub>dm</sub> , λ <sub>d</sub> | i <sub>c</sub> , λ <sub>c</sub> |  |
| R <sub>d,RECS</sub>                                                                            | 27.98 | 15.46 | 4.43  | 0.5844 | 0.3229 | 0.0926 | 1.5             | 41 607                           | 17 485                          |  |
| Y <sub>d,RECS</sub>                                                                            | 61.17 | 67.93 | 10.31 | 0.4387 | 0.4872 | 0.0739 | 52.9            | 33 568                           | 13 466                          |  |
| G <sub>d,RECS</sub>                                                                            | 9.89  | 20.77 | 8.9   | 0.25   | 0.5249 | 0.225  | 105.7           | 25 527                           | -1 527c                         |  |
| C <sub>d,RECS</sub>                                                                            | 21.08 | 27.86 | 71.74 | 0.1746 | 0.2308 | 0.5944 | 212.2           | 15 477                           | 35 579                          |  |
| B <sub>d,RECS</sub>                                                                            | 6.99  | 4.68  | 23.64 | 0.1979 | 0.1325 | 0.6694 | 238.7           | 11 458                           | 33 565                          |  |
| M <sub>d,RECS</sub>                                                                            | 31.24 | 16.22 | 23.39 | 0.4409 | 0.2289 | 0.3301 | 326.7           | -1 493c                          | 18 493                          |  |
| R <sub>e,RECS</sub>                                                                            | 28.41 | 15.66 | 6.43  | 0.5624 | 0.3101 | 0.1274 | 358.7           | 43 615                           | 17 486                          |  |
| Y <sub>e,RECS</sub>                                                                            | 56.67 | 60.42 | 9.73  | 0.4468 | 0.4763 | 0.0767 | 49.3            | 34 570                           | 13 469                          |  |
| G <sub>e,RECS</sub>                                                                            | 12.53 | 24.66 | 16.8  | 0.2321 | 0.4566 | 0.3111 | 118.5           | 21 509                           | -1 509c                         |  |
| B <sub>e,RECS</sub>                                                                            | 12.34 | 12.03 | 42.92 | 0.1834 | 0.1787 | 0.6378 | 227.4           | 14 471                           | 34 571                          |  |

| Device colours RYGBM <sub>d</sub> of maximum (m) C <sub>AB</sub> for Q00, Y <sub>w</sub> =88,6 |       |        |        |                 |        |         |                 |                                  |                                 |  |
|------------------------------------------------------------------------------------------------|-------|--------|--------|-----------------|--------|---------|-----------------|----------------------------------|---------------------------------|--|
| Code                                                                                           | Y     | A      | B      | C <sub>AB</sub> | a      | b       | h <sub>AB</sub> | i <sub>dm</sub> , λ <sub>d</sub> | i <sub>c</sub> , λ <sub>c</sub> |  |
| R <sub>d,RECS</sub>                                                                            | 15.46 | 12.84  | 5.58   | 14.0            | 1.8098 | -0.1147 | 23.4            | 41 606                           | 16 484                          |  |
| Y <sub>d,RECS</sub>                                                                            | 67.93 | -5.36  | 28.2   | 28.7            | 0.9003 | -0.0607 | 100.7           | 33 568                           | 13 469                          |  |
| G <sub>d,RECS</sub>                                                                            | 20.77 | -10.44 | 6.32   | 12.21           | 0.4762 | -0.1714 | 148.8           | 26 532                           | -1 532c                         |  |
| C <sub>d,RECS</sub>                                                                            | 27.86 | -6.2   | -15.43 | 16.63           | 0.7566 | -1.0299 | 248.1           | 15 478                           | 35 579                          |  |
| B <sub>d,RECS</sub>                                                                            | 4.68  | 2.4    | -7.23  | 7.62            | 1.4937 | -2.0202 | 288.4           | 11 455                           | 32 563                          |  |
| M <sub>d,RECS</sub>                                                                            | 16.22 | 15.35  | -1.63  | 15.44           | 1.9262 | -0.5769 | 353.9           | -1 490c                          | 18 490                          |  |
| R <sub>e,RECS</sub>                                                                            | 15.66 | 13.07  | 4.88   | 13.95           | 1.8135 | -0.1643 | 20.4            | 42 612                           | 16 484                          |  |
| Y <sub>e,RECS</sub>                                                                            | 60.42 | -2.49  | 24.85  | 24.98           | 0.938  | -0.0644 | 95.7            | 34 570                           | 14 471                          |  |
| G <sub>e,RECS</sub>                                                                            | 24.66 | -11.61 | 5.01   | 12.65           | 0.5084 | -0.2725 | 156.6           | 23 518                           | -1 518c                         |  |
| B <sub>e,RECS</sub>                                                                            | 12.03 | 0.56   | -11.44 | 11.45           | 1.0261 | -1.4271 | 272.8           | 14 470                           | 33 569                          |  |

| Device colours RYGBM <sub>d</sub> of maximum (m) C <sub>AB</sub> for Q00, Y <sub>w</sub> =88,6 |       |        |        |                  |        |         |                 |                                   |                                  |  |
|------------------------------------------------------------------------------------------------|-------|--------|--------|------------------|--------|---------|-----------------|-----------------------------------|----------------------------------|--|
| Code                                                                                           | L*    | a*     | b*     | C* <sub>ab</sub> | a'     | b'      | h <sub>ab</sub> | i <sub>dm</sub> , λ* <sub>d</sub> | i <sub>c</sub> , λ* <sub>c</sub> |  |
| R <sub>d,RECS</sub>                                                                            | 46.27 | 60.94  | 40.48  | 73.16            | 0.2669 | -0.0552 | 33.5            | -1 479c                           | 15 479                           |  |
| Y <sub>d,RECS</sub>                                                                            | 85.98 | -12.14 | 87.27  | 88.11            | 0.2115 | -0.0446 | 97.7            | 33 566                            | 14 470                           |  |
| G <sub>d,RECS</sub>                                                                            | 52.7  | -63.22 | 34.13  | 71.84            | 0.171  | -0.0631 | 151.6           | 24 521                            | -1 521c                          |  |
| C <sub>d,RECS</sub>                                                                            | 59.77 | -26.9  | -38.34 | 46.83            | 0.1996 | -0.1147 | 234.9           | 15 476                            | 40 604                           |  |
| B <sub>d,RECS</sub>                                                                            | 25.83 | 27.19  | -44.6  | 52.24            | 0.2503 | -0.1436 | 301.3           | 12 464                            | 29 548                           |  |
| M <sub>d,RECS</sub>                                                                            | 47.27 | 68.95  | -7.23  | 69.33            | 0.2725 | -0.0946 | 354.0           | -1 498c                           | 19 498                           |  |
| R <sub>e,RECS</sub>                                                                            | 46.55 | 61.44  | 32.15  | 69.34            | 0.2671 | -0.0622 | 27.6            | -1 480c                           | 16 480                           |  |
| Y <sub>e,RECS</sub>                                                                            | 82.07 | -6.03  | 82.23  | 82.45            | 0.2144 | -0.0455 | 94.1            | 33 569                            | 14 471                           |  |
| G <sub>e,RECS</sub>                                                                            | 56.75 | -61.52 | 21.25  | 65.09            | 0.1748 | -0.0736 | 160.9           | 22 512                            | -1 512c                          |  |
| B <sub>e,RECS</sub>                                                                            | 41.28 | 3.87   | -43.64 | 43.81            | 0.2209 | -0.1279 | 275.0           | 14 471                            | 33 568                           |  |

| Device colours RYGBM <sub>d</sub> of maximum (m) C <sub>AB</sub> for Q00, Y <sub>w</sub> =88,6 |       |        |        |                  |        |         |                 |                                   |                                  |  |
|------------------------------------------------------------------------------------------------|-------|--------|--------|------------------|--------|---------|-----------------|-----------------------------------|----------------------------------|--|
| CodeD65                                                                                        | L*    | a*     | b*     | C* <sub>ab</sub> | a'     | b'      | h <sub>ab</sub> | i <sub>dm</sub> , λ* <sub>d</sub> | i <sub>c</sub> , λ* <sub>c</sub> |  |
| R <sub>d,RECS</sub>                                                                            | 46.27 | 61.57  | 41.73  | 74.38            | 0.267  | -0.0552 | 34.1            | -1 479c                           | 15 479                           |  |
| Y <sub>d,RECS</sub>                                                                            | 85.98 | -12.26 | 89.91  | 90.74            | 0.2115 | -0.0446 | 97.7            | 33 566                            | 14 470                           |  |
| G <sub>d,RECS</sub>                                                                            | 52.7  | -63.88 | 35.17  | 72.93            | 0.1711 | -0.0631 | 151.1           | 24 521                            | -1 521c                          |  |
| C <sub>d,RECS</sub>                                                                            | 59.77 | -27.18 | -39.49 | 47.94            | 0.1996 | -0.1147 | 235.4           | 15 476                            | 40 603                           |  |
| B <sub>d,RECS</sub>                                                                            | 25.83 | 27.5   | -45.97 | 53.57            | 0.2504 | -0.1436 | 300.8           | 12 464                            | 29 549                           |  |
| M <sub>d,RECS</sub>                                                                            | 47.27 | 69.66  | -7.45  | 70.06            | 0.2726 | -0.0946 | 353.8           | -1 498c                           | 19 498                           |  |
| R <sub>e,RECS</sub>                                                                            | 46.55 | 62.07  | 33.13  | 70.36            | 0.2671 | -0.0622 | 28.0            | -1 480c                           | 16 480                           |  |
| Y <sub>e,RECS</sub>                                                                            | 82.07 | -6.09  | 84.71  | 84.93            | 0.2144 | -0.0455 | 94.1            | 33 569                            | 14 471                           |  |
| G <sub>e,RECS</sub>                                                                            | 56.75 | -62.17 | 21.89  | 65.91            | 0.1748 | -0.0737 | 160.5           | 22 512                            | -1 512c                          |  |
| B <sub>e,RECS</sub>                                                                            | 41.28 | 3.91   | -44.96 | 45.13            | 0.2209 | -0.1279 | 274.9           | 14 471                            | 33 568                           |  |



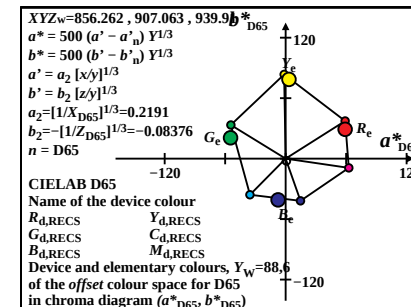
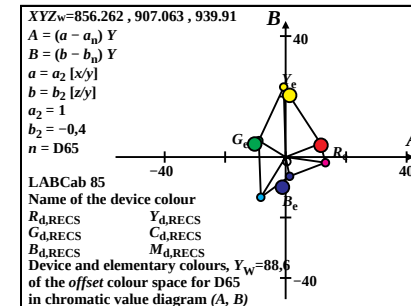
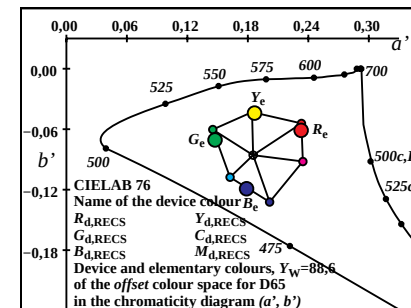
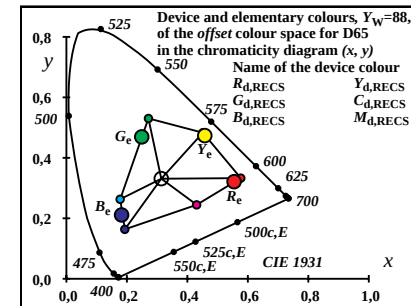
| Device colours RYGBM <sub>d</sub> of maximum (m) C <sub>AB</sub> for D65, Y <sub>w,10</sub> =88,6 |       |       |       |        |        |        |                 |                                  |                                 |  |
|---------------------------------------------------------------------------------------------------|-------|-------|-------|--------|--------|--------|-----------------|----------------------------------|---------------------------------|--|
| Code                                                                                              | X     | Y     | Z     | x      | y      | z      | h <sub>xy</sub> | i <sub>dm</sub> , λ <sub>d</sub> | i <sub>c</sub> , λ <sub>c</sub> |  |
| R <sub>d,RECS</sub>                                                                               | 25.38 | 14.64 | 3.97  | 0.5768 | 0.3328 | 0.0903 | 0.4             | 41 607                           | 16 480                          |  |
| Y <sub>d,RECS</sub>                                                                               | 60.0  | 64.23 | 8.71  | 0.4513 | 0.4831 | 0.0655 | 47.8            | 33 565                           | 13 465                          |  |
| G <sub>d,RECS</sub>                                                                               | 10.48 | 20.5  | 7.67  | 0.2712 | 0.5304 | 0.1983 | 102.0           | 25 527                           | -1 527c                         |  |
| C <sub>d,RECS</sub>                                                                               | 20.69 | 30.59 | 65.01 | 0.1779 | 0.263  | 0.5589 | 206.5           | 14 474                           | 35 577                          |  |
| B <sub>d,RECS</sub>                                                                               | 6.48  | 5.48  | 21.59 | 0.1931 | 0.1634 | 0.6433 | 234.2           | 11 459                           | 32 562                          |  |
| M <sub>d,RECS</sub>                                                                               | 28.31 | 16.08 | 21.32 | 0.4308 | 0.2446 | 0.3244 | 323.6           | -1 489c                          | 17 489                          |  |
| R <sub>e,RECS</sub>                                                                               | 25.78 | 14.92 | 5.8   | 0.5543 | 0.3209 | 0.1247 | 357.6           | 43 616                           | 16 480                          |  |
| Y <sub>e,RECS</sub>                                                                               | 55.25 | 57.16 | 8.26  | 0.4578 | 0.4736 | 0.0684 | 44.7            | 33 567                           | 13 467                          |  |
| G <sub>e,RECS</sub>                                                                               | 13.11 | 24.7  | 14.79 | 0.2492 | 0.4695 | 0.2811 | 114.9           | 22 510                           | -1 510c                         |  |
| B <sub>e,RECS</sub>                                                                               | 11.75 | 13.6  | 39.06 | 0.1824 | 0.2111 | 0.6063 | 222.3           | 13 468                           | 33 568                          |  |

| Device colours RYGBM <sub>d</sub> of maximum (m) C <sub>AB</sub> for D65, Y <sub>w,10</sub> =88,6 |       |       |        |                 |        |         |                 |                                  |                                 |  |
|---------------------------------------------------------------------------------------------------|-------|-------|--------|-----------------|--------|---------|-----------------|----------------------------------|---------------------------------|--|
| Code                                                                                              | Y     | A     | B      | C <sub>AB</sub> | a      | b       | h <sub>AB</sub> | i <sub>dm</sub> , λ <sub>d</sub> | i <sub>c</sub> , λ <sub>c</sub> |  |
| R <sub>d,RECS</sub>                                                                               | 14.64 | 11.49 | 4.69   | 12.41           | 1.7327 | -0.1085 | 22.2            | 41 606                           | 15 479                          |  |
| Y <sub>d,RECS</sub>                                                                               | 64.23 | -0.89 | 24.08  | 24.1            | 0.9342 | -0.0542 | 92.1            | 33 565                           | 13 468                          |  |
| G <sub>d,RECS</sub>                                                                               | 20.5  | -8.95 | 5.73   | 10.63           | 0.5113 | -0.1496 | 147.3           | 26 530                           | -1 530c                         |  |
| C <sub>d,RECS</sub>                                                                               | 30.59 | -8.31 | -12.86 | 15.32           | 0.6762 | -0.8498 | 237.1           | 14 473                           | 34 574                          |  |
| B <sub>d,RECS</sub>                                                                               | 5.48  | 1.28  | -6.28  | 6.41            | 1.1818 | -1.5742 | 281.5           | 11 457                           | 31 558                          |  |
| M <sub>d,RECS</sub>                                                                               | 16.08 | 13.06 | -1.62  | 13.16           | 1.7607 | -0.5304 | 352.9           | -1 487c                          | 17 487                          |  |
| R <sub>e,RECS</sub>                                                                               | 14.92 | 11.62 | 4.08   | 12.32           | 1.727  | -0.1554 | 19.3            | 43 615                           | 16 480                          |  |
| Y <sub>e,RECS</sub>                                                                               | 57.16 | 1.05  | 21.23  | 21.26           | 0.9665 | -0.0578 | 87.1            | 33 567                           | 13 469                          |  |
| G <sub>e,RECS</sub>                                                                               | 24.7  | -10.3 | 4.68   | 11.32           | 0.5308 | -0.2395 | 155.5           | 23 517                           | -1 517c                         |  |
| B <sub>e,RECS</sub>                                                                               | 13.6  | -1.14 | -9.78  | 9.85            | 0.8639 | -1.1484 | 263.3           | 13 467                           | 32 564                          |  |

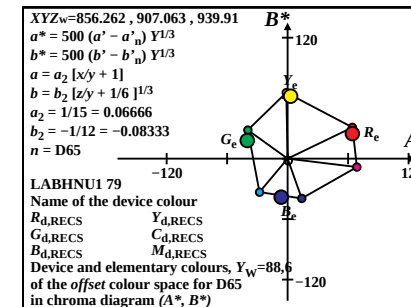
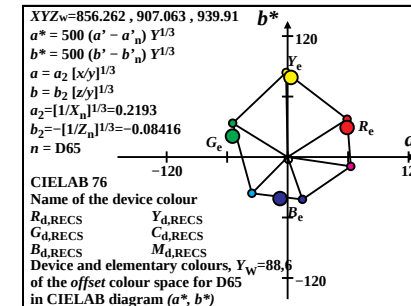
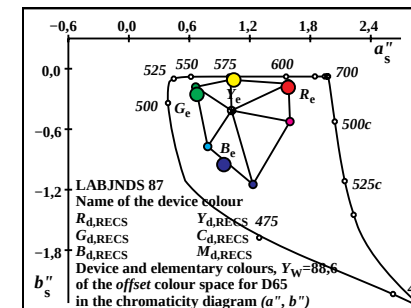
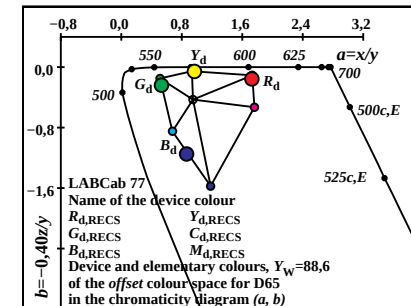
| Device colours RYGBM <sub>d</sub> of maximum (m) C <sub>AB</sub> for D65, Y <sub>w,10</sub> =88,6 |       |        |        |                  |        |         |                 |                                   |                                  |  |
|---------------------------------------------------------------------------------------------------|-------|--------|--------|------------------|--------|---------|-----------------|-----------------------------------|----------------------------------|--|
| Code                                                                                              | L*    | a*     | b*     | C* <sub>ab</sub> | a'     | b'      | h <sub>ab</sub> | i <sub>dm</sub> , λ* <sub>d</sub> | i <sub>c</sub> , λ* <sub>c</sub> |  |
| R <sub>d,RECS</sub>                                                                               | 45.16 | 58.65  | 38.73  | 70.29            | 0.2631 | -0.0542 | 33.4            | -1 474c                           | 14 474                           |  |
| Y <sub>d,RECS</sub>                                                                               | 84.09 | -2.12  | 85.92  | 85.94            | 0.2141 | -0.043  | 91.4            | 33 565                            | 13 465                           |  |
| G <sub>d,RECS</sub>                                                                               | 52.41 | -54.82 | 34.92  | 65.0             | 0.1751 | -0.0603 | 147.5           | 23 519                            | -1 519c                          |  |
| C <sub>d,RECS</sub>                                                                               | 62.17 | -35.88 | -34.44 | 49.73            | 0.1922 | -0.1076 | 223.8           | 14 472                            | -1 472c                          |  |
| B <sub>d,RECS</sub>                                                                               | 28.1  | 14.46  | -41.16 | 43.63            | 0.2316 | -0.1322 | 289.3           | 12 461                            | 30 550                           |  |
| M <sub>d,RECS</sub>                                                                               | 47.09 | 62.28  | -7.94  | 62.79            | 0.2645 | -0.092  | 352.7           | -1 495c                           | 19 495                           |  |
| R <sub>e,RECS</sub>                                                                               | 45.54 | 58.67  | 30.45  | 66.1             | 0.2628 | -0.0611 | 27.4            | -1 475c                           | 15 475                           |  |
| Y <sub>e,RECS</sub>                                                                               | 80.27 | 2.66   | 80.87  | 80.91            | 0.2166 | -0.0439 | 88.1            | 33 567                            | 13 466                           |  |
| G <sub>e,RECS</sub>                                                                               | 56.79 | -55.13 | 22.17  | 59.42            | 0.1773 | -0.0705 | 158.0           | 22 510                            | -1 510c                          |  |
| B <sub>e,RECS</sub>                                                                               | 43.67 | -7.84  | -39.91 | 40.67            | 0.2086 | -0.119  | 258.8           | 13 467                            | 35 575                           |  |

| Device colours RYGBM <sub>d</sub> of maximum (m) C <sub>AB</sub> for D65, Y <sub>w,10</sub> =88,6 |       |        |        |                  |        |         |                 |                                   |                                  |  |
|---------------------------------------------------------------------------------------------------|-------|--------|--------|------------------|--------|---------|-----------------|-----------------------------------|----------------------------------|--|
| CodeD65                                                                                           | L*    | a*     | b*     | C* <sub>ab</sub> | a'     | b'      | h <sub>ab</sub> | i <sub>dm</sub> , λ* <sub>d</sub> | i <sub>c</sub> , λ* <sub>c</sub> |  |
| R <sub>d,RECS</sub>                                                                               | 45.16 | 58.62  | 38.58  | 70.18            | 0.2631 | -0.0542 | 33.3            | -1 474c                           | 14 474                           |  |
| Y <sub>d,RECS</sub>                                                                               | 84.09 | -2.11  | 85.53  | 85.56            | 0.2141 | -0.043  | 91.4            | 33 565                            | 13 465                           |  |
| G <sub>d,RECS</sub>                                                                               | 52.41 | -54.8  | 34.77  | 64.91            | 0.1752 | -0.0603 | 147.6           | 23 519                            | -1 519c                          |  |
| C <sub>d,RECS</sub>                                                                               | 62.17 | -35.86 | -34.28 | 49.61            | 0.1923 | -0.1076 | 223.7           | 14 472                            | -1 472c                          |  |
| B <sub>d,RECS</sub>                                                                               | 28.1  | 14.46  | -40.99 | 43.47            | 0.2316 | -0.1322 | 289.4           | 12 461                            | 30 550                           |  |
| M <sub>d,RECS</sub>                                                                               | 47.09 | 62.25  | -7.9   | 62.75            | 0.2645 | -0.092  | 352.7           | -1 495c                           | 19 495                           |  |
| R <sub>e,RECS</sub>                                                                               | 45.54 | 58.64  | 30.32  | 66.02            | 0.2628 | -0.0611 | 27.3            | -1 475c                           | 15 475                           |  |
| Y <sub>e,RECS</sub>                                                                               | 80.27 | 2.66   | 80.51  | 80.55            | 0.2166 | -0.0439 | 88.1            | 33 567                            | 13 466                           |  |
| G <sub>e,RECS</sub>                                                                               | 56.79 | -55.11 | 22.07  | 59.36            | 0.1774 | -0.0705 | 158.1           | 22 510                            | -1 510c                          |  |
| B <sub>e,RECS</sub>                                                                               | 43.67 | -7.83  | -39.73 | 40.5             | 0.2086 | -0.119  | 258.8           | 13 467                            | 35 575                           |  |

TUB-test chart SE83; Offset print output, use of grid G  
YABCh, LabCh\* data elementary hue circle and grey steps



input: w/rgb/cmyk -> w/rgb/cmyk-  
output: no change



TUB registration: 20130201-SE83/SE83L0NA.TXT /PS  
application for measurement of display output

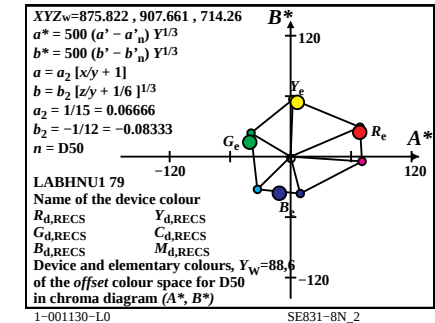
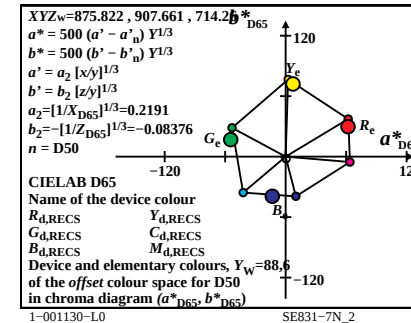
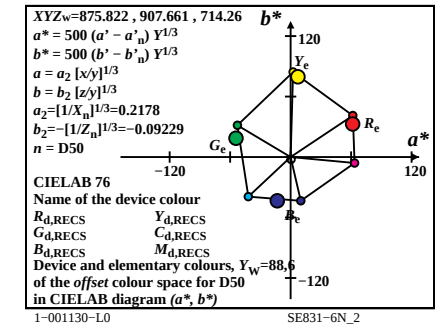
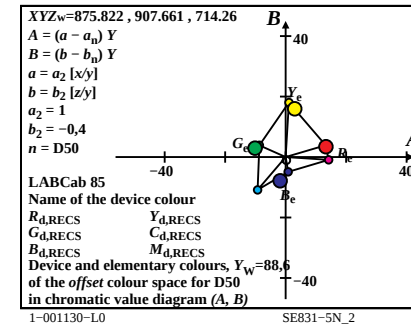
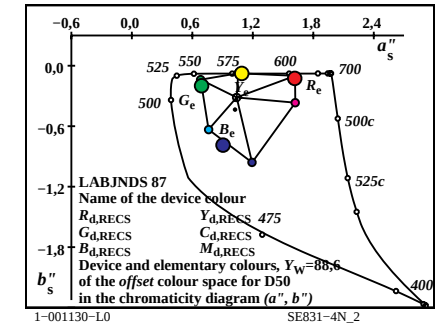
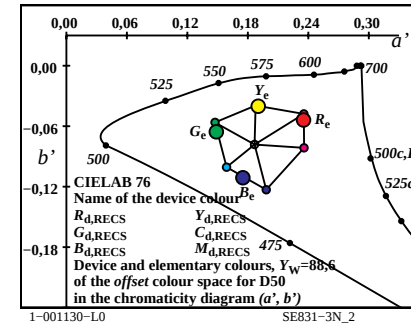
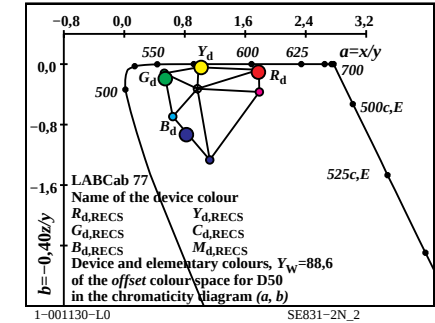
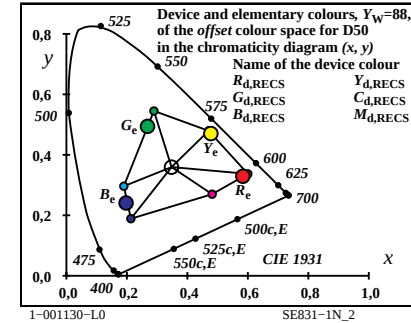
TUB material: code=rha4ta

| Device colours RYGBCM <sub>d</sub> of maximum (m) C <sub>AB</sub> for D50, Y <sub>w,10</sub> =88,6 |       |       |       |        |        |        |                 |                                  |                                 |  |
|----------------------------------------------------------------------------------------------------|-------|-------|-------|--------|--------|--------|-----------------|----------------------------------|---------------------------------|--|
| Code                                                                                               | X     | Y     | Z     | x      | y      | z      | h <sub>xy</sub> | i <sub>dm</sub> , λ <sub>d</sub> | i <sub>c</sub> , λ <sub>c</sub> |  |
| R <sub>d,RECS</sub>                                                                                | 28.87 | 16.22 | 3.02  | 0.6001 | 0.337  | 0.0627 | 354.9           | 41 608                           | 16 482                          |  |
| Y <sub>d,RECS</sub>                                                                                | 64.83 | 66.08 | 6.92  | 0.4703 | 0.4794 | 0.0502 | 44.3            | 33 567                           | 13 466                          |  |
| G <sub>d,RECS</sub>                                                                                | 10.61 | 20.0  | 6.06  | 0.2893 | 0.5453 | 0.1653 | 107.4           | 25 527                           | -1 527c                         |  |
| C <sub>d,RECS</sub>                                                                                | 18.37 | 28.64 | 49.68 | 0.1899 | 0.2962 | 0.5138 | 201.8           | 15 476                           | 35 578                          |  |
| B <sub>d,RECS</sub>                                                                                | 5.8   | 5.13  | 16.27 | 0.2133 | 0.1886 | 0.5979 | 231.8           | 12 460                           | 32 564                          |  |
| M <sub>d,RECS</sub>                                                                                | 30.96 | 17.34 | 15.96 | 0.4818 | 0.2698 | 0.2483 | 326.2           | -1 491c                          | 18 491                          |  |
| R <sub>e,RECS</sub>                                                                                | 29.19 | 16.46 | 4.38  | 0.5833 | 0.3289 | 0.0876 | 352.6           | 43 615                           | 16 483                          |  |
| Y <sub>e,RECS</sub>                                                                                | 59.93 | 58.98 | 6.54  | 0.4777 | 0.4701 | 0.0521 | 40.3            | 33 569                           | 13 469                          |  |
| G <sub>e,RECS</sub>                                                                                | 13.0  | 23.96 | 11.52 | 0.2682 | 0.4941 | 0.2375 | 120.5           | 21 509                           | -1 509c                         |  |
| B <sub>e,RECS</sub>                                                                                | 10.42 | 12.7  | 29.63 | 0.1975 | 0.2407 | 0.5617 | 218.3           | 14 470                           | 34 570                          |  |
| 1-001130-L0 SE830-1N_2                                                                             |       |       |       |        |        |        |                 |                                  |                                 |  |

| Device colours RYGBCM <sub>d</sub> of maximum (m) C <sub>AB</sub> for D50, Y <sub>w,10</sub> =88,6 |       |        |        |                 |        |         |                 |                                  |                                 |  |
|----------------------------------------------------------------------------------------------------|-------|--------|--------|-----------------|--------|---------|-----------------|----------------------------------|---------------------------------|--|
| Code                                                                                               | Y     | A      | B      | C <sub>AB</sub> | a      | b       | h <sub>AB</sub> | i <sub>dm</sub> , λ <sub>d</sub> | i <sub>c</sub> , λ <sub>c</sub> |  |
| R <sub>d,RECS</sub>                                                                                | 16.22 | 13.19  | 4.07   | 13.8            | 1.7804 | -0.0745 | 17.1            | 42 614                           | 17 486                          |  |
| Y <sub>d,RECS</sub>                                                                                | 66.08 | 0.92   | 18.75  | 18.77           | 0.9811 | -0.0418 | 87.1            | 33 568                           | 14 470                          |  |
| G <sub>d,RECS</sub>                                                                                | 20.0  | -8.73  | 4.08   | 9.64            | 0.5305 | -0.1212 | 154.9           | 24 520                           | -1 520c                         |  |
| C <sub>d,RECS</sub>                                                                                | 28.64 | -9.33  | -10.54 | 14.08           | 0.6412 | -0.6938 | 228.4           | 15 475                           | 34 572                          |  |
| B <sub>d,RECS</sub>                                                                                | 5.13  | 0.83   | -4.83  | 4.91            | 1.1307 | -1.2677 | 279.8           | 11 459                           | 32 563                          |  |
| M <sub>d,RECS</sub>                                                                                | 17.34 | 14.19  | -0.73  | 14.21           | 1.7856 | -0.3682 | 357.0           | -1 499c                          | 19 499                          |  |
| R <sub>e,RECS</sub>                                                                                | 16.46 | 13.27  | 3.6    | 13.75           | 1.7732 | -0.1065 | 15.2            | 46 634                           | 17 486                          |  |
| Y <sub>e,RECS</sub>                                                                                | 58.98 | 2.88   | 16.59  | 16.83           | 1.0161 | -0.0443 | 80.1            | 33 569                           | 14 472                          |  |
| G <sub>e,RECS</sub>                                                                                | 23.96 | -10.16 | 3.19   | 10.65           | 0.5429 | -0.1923 | 162.5           | 20 500                           | -1 500c                         |  |
| B <sub>e,RECS</sub>                                                                                | 12.7  | -1.86  | -7.71  | 7.94            | 0.8205 | -0.9333 | 256.4           | 13 469                           | 33 567                          |  |
| 1-001130-L0 SE830-3N_2                                                                             |       |        |        |                 |        |         |                 |                                  |                                 |  |

| Device colours RYGBCM <sub>d</sub> of maximum (m) C <sub>AB</sub> for D50, Y <sub>w,10</sub> =88,6 |       |        |        |                  |        |         |                 |                                   |                                  |  |
|----------------------------------------------------------------------------------------------------|-------|--------|--------|------------------|--------|---------|-----------------|-----------------------------------|----------------------------------|--|
| Code                                                                                               | L*    | a*     | b*     | C* <sub>ab</sub> | a'     | b'      | h <sub>ab</sub> | i <sub>dm</sub> , λ* <sub>d</sub> | i <sub>c</sub> , λ* <sub>c</sub> |  |
| R <sub>d,RECS</sub>                                                                                | 47.27 | 61.48  | 42.32  | 74.64            | 0.2655 | -0.0478 | 34.5            | -1 474c                           | 14 474                           |  |
| Y <sub>d,RECS</sub>                                                                                | 85.04 | 2.08   | 86.23  | 86.25            | 0.2177 | -0.0394 | 88.6            | 33 568                            | 13 466                           |  |
| G <sub>d,RECS</sub>                                                                                | 51.85 | -53.02 | 32.79  | 62.34            | 0.1773 | -0.0562 | 148.2           | 24 522                            | -1 522c                          |  |
| C <sub>d,RECS</sub>                                                                                | 60.47 | -42.19 | -37.8  | 56.64            | 0.1889 | -0.1006 | 221.8           | 14 473                            | 58 694                           |  |
| B <sub>d,RECS</sub>                                                                                | 27.14 | 9.91   | -42.57 | 43.71            | 0.2282 | -0.123  | 283.1           | 12 463                            | 31 556                           |  |
| M <sub>d,RECS</sub>                                                                                | 48.7  | 63.2   | -4.65  | 63.37            | 0.2657 | -0.0814 | 355.7           | -1 494c                           | 18 494                           |  |
| R <sub>e,RECS</sub>                                                                                | 47.59 | 61.33  | 34.04  | 70.15            | 0.2651 | -0.0538 | 29.0            | -1 475c                           | 15 475                           |  |
| Y <sub>e,RECS</sub>                                                                                | 81.28 | 6.94   | 81.39  | 81.69            | 0.2202 | -0.0402 | 85.1            | 34 570                            | 13 466                           |  |
| G <sub>e,RECS</sub>                                                                                | 56.05 | -54.35 | 19.99  | 57.91            | 0.1787 | -0.0656 | 159.8           | 22 512                            | -1 512c                          |  |
| B <sub>e,RECS</sub>                                                                                | 42.32 | -13.4  | -42.25 | 44.33            | 0.205  | -0.111  | 252.4           | 13 468                            | 36 581                           |  |
| 1-001130-L0 SE830-5N_2                                                                             |       |        |        |                  |        |         |                 |                                   |                                  |  |

| Device colours RYGBCM <sub>d</sub> of maximum (m) C <sub>AB</sub> for D50, Y <sub>w,10</sub> =88,6 |       |        |        |                  |        |         |                 |                                   |                                  |  |
|----------------------------------------------------------------------------------------------------|-------|--------|--------|------------------|--------|---------|-----------------|-----------------------------------|----------------------------------|--|
| CodeD65                                                                                            | L*    | a*     | b*     | C* <sub>ab</sub> | a'     | b'      | h <sub>ab</sub> | i <sub>dm</sub> , λ* <sub>d</sub> | i <sub>c</sub> , λ* <sub>c</sub> |  |
| R <sub>d,RECS</sub>                                                                                | 47.27 | 61.86  | 38.44  | 72.83            | 0.2655 | -0.0478 | 31.8            | -1 475c                           | 15 475                           |  |
| Y <sub>d,RECS</sub>                                                                                | 85.04 | 2.09   | 78.29  | 78.31            | 0.2177 | -0.0394 | 88.4            | 33 568                            | 13 466                           |  |
| G <sub>d,RECS</sub>                                                                                | 51.85 | -53.36 | 29.77  | 61.1             | 0.1773 | -0.0562 | 150.8           | 24 520                            | -1 520c                          |  |
| C <sub>d,RECS</sub>                                                                                | 60.47 | -42.45 | -34.31 | 54.58            | 0.1889 | -0.1006 | 218.9           | 14 473                            | -1 473c                          |  |
| B <sub>d,RECS</sub>                                                                                | 27.14 | 9.98   | -38.66 | 39.93            | 0.2282 | -0.123  | 284.4           | 12 462                            | 31 555                           |  |
| M <sub>d,RECS</sub>                                                                                | 48.7  | 63.59  | -4.23  | 63.73            | 0.2658 | -0.0814 | 356.1           | -1 494c                           | 18 494                           |  |
| R <sub>e,RECS</sub>                                                                                | 47.59 | 61.71  | 30.92  | 69.03            | 0.2652 | -0.0538 | 26.6            | -1 476c                           | 15 476                           |  |
| Y <sub>e,RECS</sub>                                                                                | 81.28 | 6.98   | 73.9   | 74.23            | 0.2202 | -0.0402 | 84.6            | 34 571                            | 13 466                           |  |
| G <sub>e,RECS</sub>                                                                                | 56.05 | -54.69 | 18.15  | 57.63            | 0.1787 | -0.0656 | 161.6           | 22 510                            | -1 510c                          |  |
| B <sub>e,RECS</sub>                                                                                | 42.32 | -13.49 | -38.36 | 40.66            | 0.2051 | -0.111  | 250.6           | 13 468                            | 36 583                           |  |
| 1-001130-L0 SE830-7N_2                                                                             |       |        |        |                  |        |         |                 |                                   |                                  |  |

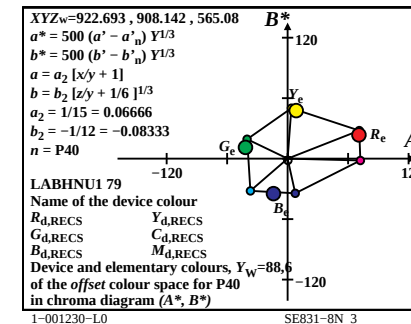
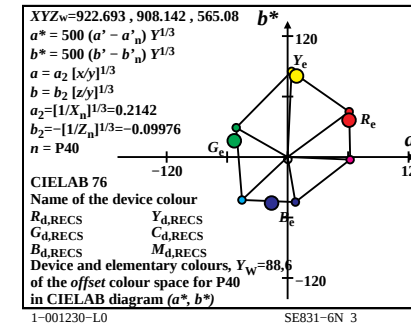
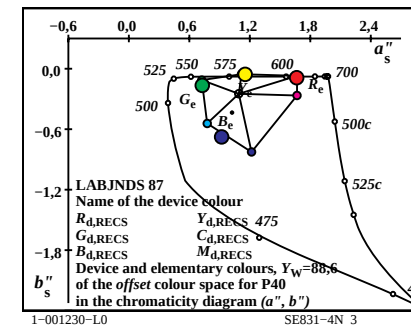
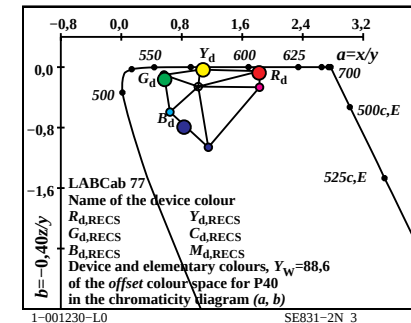
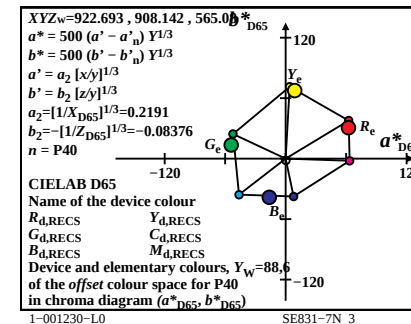
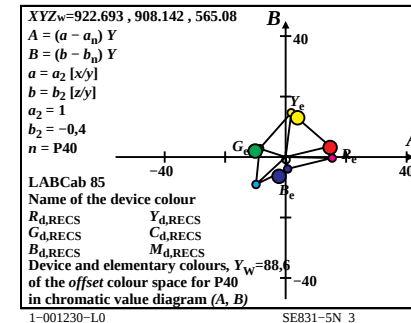
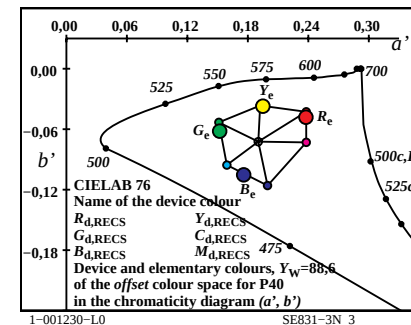
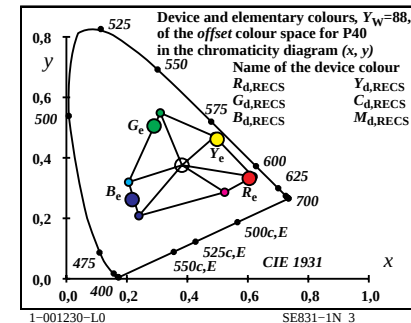


| Device colours RYGBCM <sub>d</sub> of maximum (m) C <sub>AB</sub> for P40, Y <sub>w,10</sub> =88,6 |       |       |       |        |        |        |                 |                                  |                                 |  |
|----------------------------------------------------------------------------------------------------|-------|-------|-------|--------|--------|--------|-----------------|----------------------------------|---------------------------------|--|
| Code                                                                                               | X     | Y     | Z     | x      | y      | z      | h <sub>xy</sub> | i <sub>dm</sub> , λ <sub>d</sub> | i <sub>c</sub> , λ <sub>c</sub> |  |
| R <sub>d,RECS</sub>                                                                                | 33.01 | 18.05 | 2.39  | 0.6174 | 0.3376 | 0.0448 | 350.8           | 41 609                           | 16 484                          |  |
| Y <sub>d,RECS</sub>                                                                                | 70.8  | 67.85 | 5.63  | 0.4906 | 0.4702 | 0.039  | 41.0            | 34 570                           | 13 467                          |  |
| G <sub>d,RECS</sub>                                                                                | 10.8  | 19.09 | 4.9   | 0.3104 | 0.5487 | 0.1408 | 112.5           | 25 527                           | -1 527c                         |  |
| C <sub>d,RECS</sub>                                                                                | 16.96 | 26.35 | 39.1  | 0.2058 | 0.3197 | 0.4743 | 197.5           | 15 477                           | 36 580                          |  |
| B <sub>d,RECS</sub>                                                                                | 5.54  | 4.81  | 12.77 | 0.2395 | 0.2081 | 0.5523 | 229.5           | 12 460                           | 33 567                          |  |
| M <sub>d,RECS</sub>                                                                                | 34.59 | 18.91 | 12.57 | 0.5234 | 0.2862 | 0.1902 | 327.6           | -1 492c                          | 18 492                          |  |
| R <sub>e,RECS</sub>                                                                                | 33.28 | 18.27 | 3.47  | 0.6048 | 0.332  | 0.0631 | 348.9           | 43 615                           | 17 485                          |  |
| Y <sub>e,RECS</sub>                                                                                | 65.68 | 60.77 | 5.31  | 0.4984 | 0.4612 | 0.0403 | 36.3            | 34 572                           | 14 470                          |  |
| G <sub>e,RECS</sub>                                                                                | 13.07 | 22.76 | 9.21  | 0.2901 | 0.5053 | 0.2044 | 125.3           | 21 508                           | -1 508c                         |  |
| B <sub>e,RECS</sub>                                                                                | 9.73  | 11.73 | 23.29 | 0.2175 | 0.2621 | 0.5203 | 214.6           | 14 471                           | 34 572                          |  |
| 1-001230-L0 SE830-1N_3                                                                             |       |       |       |        |        |        |                 |                                  |                                 |  |

| Device colours RYGBCM <sub>d</sub> of maximum (m) C <sub>AB</sub> for P40, Y <sub>w,10</sub> =88,6 |       |        |       |                 |        |         |                 |                                  |                                 |  |
|----------------------------------------------------------------------------------------------------|-------|--------|-------|-----------------|--------|---------|-----------------|----------------------------------|---------------------------------|--|
| Code                                                                                               | Y     | A      | B     | C <sub>AB</sub> | a      | b       | h <sub>AB</sub> | i <sub>dm</sub> , λ <sub>d</sub> | i <sub>c</sub> , λ <sub>c</sub> |  |
| R <sub>d,RECS</sub>                                                                                | 18.05 | 14.64  | 3.69  | 15.1            | 1.8283 | -0.0531 | 14.1            | 49 646                           | 18 494                          |  |
| Y <sub>d,RECS</sub>                                                                                | 67.85 | 1.75   | 15.23 | 15.33           | 1.0434 | -0.0332 | 83.4            | 34 570                           | 13 467                          |  |
| G <sub>d,RECS</sub>                                                                                | 19.09 | -8.62  | 2.96  | 9.12            | 0.5656 | -0.1026 | 161.0           | 20 503                           | -1 503c                         |  |
| C <sub>d,RECS</sub>                                                                                | 26.35 | -9.85  | -8.84 | 13.24           | 0.6437 | -0.5934 | 221.9           | 15 476                           | 34 573                          |  |
| B <sub>d,RECS</sub>                                                                                | 4.81  | 0.64   | -3.86 | 3.92            | 1.1507 | -1.0614 | 279.4           | 12 461                           | 33 569                          |  |
| M <sub>d,RECS</sub>                                                                                | 18.91 | 15.34  | -0.15 | 15.34           | 1.8286 | -0.2658 | 359.4           | -1 538c                          | 27 538                          |  |
| R <sub>e,RECS</sub>                                                                                | 18.27 | 14.69  | 3.32  | 15.06           | 1.8216 | -0.076  | 12.7            | -1 496c                          | 19 496                          |  |
| Y <sub>e,RECS</sub>                                                                                | 60.77 | 3.84   | 13.54 | 14.07           | 1.0807 | -0.0349 | 74.1            | 34 572                           | 14 474                          |  |
| G <sub>e,RECS</sub>                                                                                | 22.76 | -10.09 | 2.18  | 10.32           | 0.5741 | -0.1618 | 167.7           | 18 493                           | 43 617                          |  |
| B <sub>e,RECS</sub>                                                                                | 11.73 | -2.19  | -6.29 | 6.66            | 0.83   | -0.794  | 250.7           | 14 470                           | 34 571                          |  |
| 1-001230-L0 SE830-3N_3                                                                             |       |        |       |                 |        |         |                 |                                  |                                 |  |

| Device colours RYGBCM <sub>d</sub> of maximum (m) C <sub>AB</sub> for P40, Y <sub>w,10</sub> =88,6 |       |        |        |                  |        |         |                 |                                   |                                  |  |
|----------------------------------------------------------------------------------------------------|-------|--------|--------|------------------|--------|---------|-----------------|-----------------------------------|----------------------------------|--|
| Code                                                                                               | L*    | a*     | b*     | C* <sub>ab</sub> | a'     | b'      | h <sub>ab</sub> | i <sub>dm</sub> , λ* <sub>d</sub> | i <sub>c</sub> , λ* <sub>c</sub> |  |
| R <sub>d,RECS</sub>                                                                                | 49.57 | 60.95  | 46.22  | 76.49            | 0.2678 | -0.0427 | 37.1            | -1 474c                           | 14 474                           |  |
| Y <sub>d,RECS</sub>                                                                                | 85.93 | 3.69   | 86.95  | 87.03            | 0.2222 | -0.0365 | 87.5            | 34 570                            | 13 465                           |  |
| G <sub>d,RECS</sub>                                                                                | 50.81 | -51.15 | 30.41  | 59.51            | 0.1811 | -0.0532 | 149.2           | 25 525                            | -1 525c                          |  |
| C <sub>d,RECS</sub>                                                                                | 58.38 | -45.35 | -41.07 | 61.19            | 0.1891 | -0.0955 | 222.1           | 14 473                            | 58 690                           |  |
| B <sub>d,RECS</sub>                                                                                | 26.22 | 7.6    | -43.83 | 44.48            | 0.2295 | -0.1159 | 279.8           | 12 463                            | 32 562                           |  |
| M <sub>d,RECS</sub>                                                                                | 50.6  | 61.92  | -1.19  | 61.93            | 0.2678 | -0.073  | 358.8           | -1 493c                           | 18 493                           |  |
| R <sub>e,RECS</sub>                                                                                | 49.83 | 60.77  | 37.9   | 71.62            | 0.2675 | -0.0481 | 31.9            | -1 475c                           | 15 475                           |  |
| Y <sub>e,RECS</sub>                                                                                | 82.26 | 8.6    | 82.33  | 82.77            | 0.2248 | -0.0371 | 84.0            | 34 573                            | 13 466                           |  |
| G <sub>e,RECS</sub>                                                                                | 54.84 | -52.99 | 17.54  | 55.82            | 0.182  | -0.0619 | 161.6           | 22 513                            | -1 513c                          |  |
| B <sub>e,RECS</sub>                                                                                | 40.8  | -16.05 | -44.53 | 47.34            | 0.2058 | -0.1052 | 250.1           | 13 468                            | 36 584                           |  |
| 1-001230-L0 SE830-5N_3                                                                             |       |        |        |                  |        |         |                 |                                   |                                  |  |

| Device colours RYGBCM <sub>d</sub> of maximum (m) C <sub>AB</sub> for P40, Y <sub>w,10</sub> =88,6 |       |        |        |                  |        |         |                 |                                   |                                  |  |
|----------------------------------------------------------------------------------------------------|-------|--------|--------|------------------|--------|---------|-----------------|-----------------------------------|----------------------------------|--|
| CodeD65                                                                                            | L*    | a*     | b*     | C* <sub>ab</sub> | a'     | b'      | h <sub>ab</sub> | i <sub>dm</sub> , λ* <sub>d</sub> | i <sub>c</sub> , λ* <sub>c</sub> |  |
| R <sub>d,RECS</sub>                                                                                | 49.57 | 62.37  | 38.84  | 73.47            | 0.2679 | -0.0427 | 31.9            | -1 475c                           | 15 475                           |  |
| Y <sub>d,RECS</sub>                                                                                | 85.93 | 3.78   | 73.02  | 73.12            | 0.2222 | -0.0365 | 87.0            | 34 571                            | 13 465                           |  |
| G <sub>d,RECS</sub>                                                                                | 50.81 | -52.35 | 25.55  | 58.25            | 0.1812 | -0.0532 | 153.9           | 24 521                            | -1 521c                          |  |
| C <sub>d,RECS</sub>                                                                                | 58.38 | -46.41 | -34.49 | 57.83            | 0.1891 | -0.0955 | 216.6           | 14 474                            | -1 474c                          |  |
| B <sub>d,RECS</sub>                                                                                | 26.22 | 7.79   | -36.82 | 37.64            | 0.2295 | -0.1159 | 281.9           | 12 462                            | 32 560                           |  |
| M <sub>d,RECS</sub>                                                                                | 50.6  | 63.36  | -1.0   | 63.37            | 0.2679 | -0.073  | 359.0           | -1 493c                           | 18 493                           |  |
| R <sub>e,RECS</sub>                                                                                | 49.83 | 62.18  | 31.84  | 69.87            | 0.2675 | -0.0481 | 27.1            | -1 476c                           | 15 476                           |  |
| Y <sub>e,RECS</sub>                                                                                | 82.26 | 8.79   | 69.14  | 69.7             | 0.2248 | -0.0371 | 82.7            | 34 574                            | 13 466                           |  |
| G <sub>e,RECS</sub>                                                                                | 54.84 | -54.23 | 14.73  | 56.2             | 0.1821 | -0.0619 | 164.7           | 22 510                            | -1 510c                          |  |
| B <sub>e,RECS</sub>                                                                                | 40.8  | -16.43 | -37.4  | 40.85            | 0.2059 | -0.1052 | 246.2           | 13 469                            | 37 588                           |  |
| 1-001230-L0 SE830-7N_3                                                                             |       |        |        |                  |        |         |                 |                                   |                                  |  |

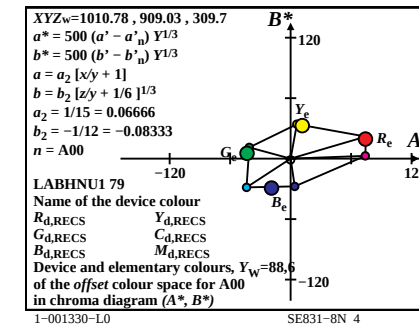
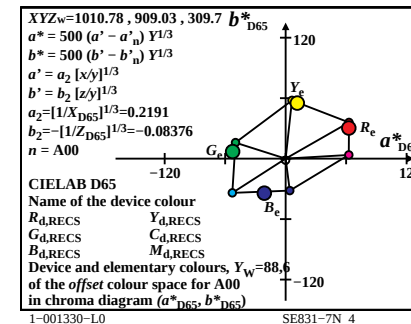
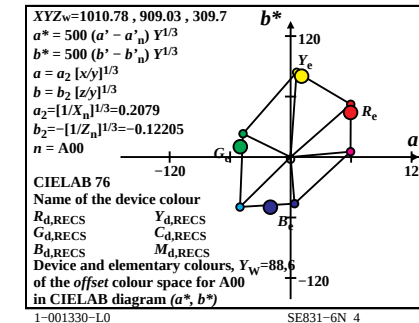
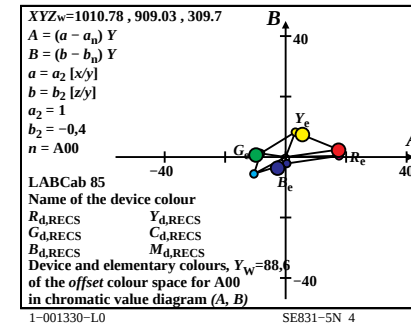
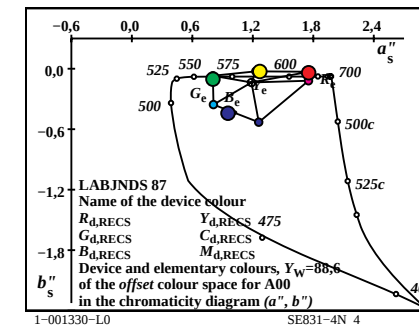
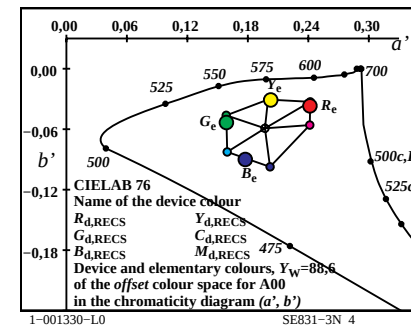
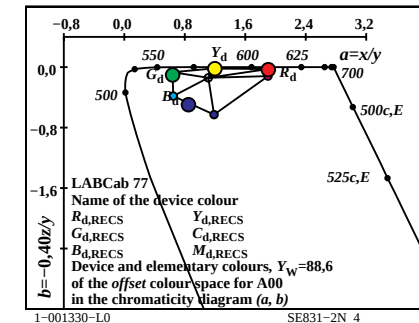
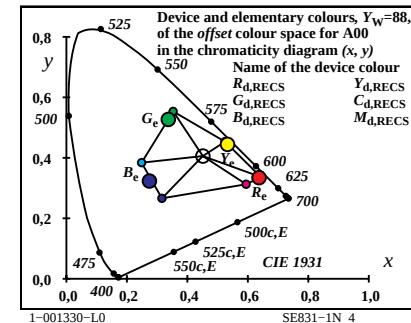


| Device colours RYGBCM <sub>d</sub> of maximum (m) C <sub>AB</sub> for A00, Y <sub>w,10</sub> =88,6 |       |       |       |        |        |        |                 |                                  |                                 |  |
|----------------------------------------------------------------------------------------------------|-------|-------|-------|--------|--------|--------|-----------------|----------------------------------|---------------------------------|--|
| Code                                                                                               | X     | Y     | Z     | x      | y      | z      | h <sub>xy</sub> | i <sub>dm</sub> , λ <sub>d</sub> | i <sub>c</sub> , λ <sub>c</sub> |  |
| R <sub>d,RECS</sub>                                                                                | 41.89 | 21.92 | 1.32  | 0.6431 | 0.3365 | 0.0202 | 340.1           | 42 610                           | 18 490                          |  |
| Y <sub>d,RECS</sub>                                                                                | 81.81 | 70.71 | 3.43  | 0.5245 | 0.4533 | 0.022  | 32.8            | 34 574                           | 14 471                          |  |
| G <sub>d,RECS</sub>                                                                                | 11.16 | 17.49 | 2.94  | 0.3531 | 0.5534 | 0.0933 | 123.5           | 25 526                           | -1 526c                         |  |
| C <sub>d,RECS</sub>                                                                                | 14.61 | 22.56 | 21.6  | 0.2485 | 0.3839 | 0.3675 | 186.2           | 16 481                           | 36 582                          |  |
| B <sub>d,RECS</sub>                                                                                | 5.17  | 4.35  | 6.84  | 0.3159 | 0.266  | 0.4179 | 225.9           | 11 459                           | 34 572                          |  |
| M <sub>d,RECS</sub>                                                                                | 42.53 | 22.37 | 6.65  | 0.5944 | 0.3126 | 0.0929 | 326.9           | -1 496c                          | 19 496                          |  |
| R <sub>e,RECS</sub>                                                                                | 42.09 | 22.09 | 1.88  | 0.637  | 0.3343 | 0.0285 | 338.9           | 43 615                           | 18 490                          |  |
| Y <sub>e,RECS</sub>                                                                                | 76.5  | 63.81 | 3.21  | 0.5329 | 0.4445 | 0.0224 | 25.2            | 35 576                           | 14 474                          |  |
| G <sub>e,RECS</sub>                                                                                | 13.21 | 20.67 | 5.34  | 0.3367 | 0.5269 | 0.1362 | 133.3           | 21 507                           | -1 507c                         |  |
| B <sub>e,RECS</sub>                                                                                | 8.66  | 10.2  | 12.66 | 0.2747 | 0.3235 | 0.4016 | 205.0           | 14 474                           | 35 576                          |  |
| 1-001330-L0 SE831-1N_4                                                                             |       |       |       |        |        |        |                 |                                  |                                 |  |

| Device colours RYGBCM <sub>d</sub> of maximum (m) C <sub>AB</sub> for A00, Y <sub>w,10</sub> =88,6 |       |        |       |                 |        |         |                 |                                  |                                 |  |
|----------------------------------------------------------------------------------------------------|-------|--------|-------|-----------------|--------|---------|-----------------|----------------------------------|---------------------------------|--|
| Code                                                                                               | Y     | A      | B     | C <sub>AB</sub> | a      | b       | h <sub>AB</sub> | i <sub>dm</sub> , λ <sub>d</sub> | i <sub>c</sub> , λ <sub>c</sub> |  |
| R <sub>d,RECS</sub>                                                                                | 21.92 | 17.53  | 2.55  | 17.71           | 1.9112 | -0.024  | 8.3             | -1 598c                          | 39 598                          |  |
| Y <sub>d,RECS</sub>                                                                                | 70.71 | 3.21   | 8.58  | 9.16            | 1.157  | -0.0194 | 69.4            | 14 472                           | 34 574                          |  |
| G <sub>d,RECS</sub>                                                                                | 17.49 | -8.28  | 1.28  | 8.37            | 0.638  | -0.0674 | 171.1           | 18 491                           | 32 561                          |  |
| C <sub>d,RECS</sub>                                                                                | 22.56 | -10.47 | -5.46 | 11.81           | 0.6474 | -0.3828 | 207.5           | 15 479                           | 34 571                          |  |
| B <sub>d,RECS</sub>                                                                                | 4.35  | 0.33   | -2.12 | 2.14            | 1.1872 | -0.6283 | 278.8           | 12 464                           | 35 576                          |  |
| M <sub>d,RECS</sub>                                                                                | 22.37 | 17.67  | 0.48  | 17.67           | 1.9014 | -0.1189 | 1.5             | -1 589c                          | 37 589                          |  |
| R <sub>e,RECS</sub>                                                                                | 22.09 | 17.53  | 2.35  | 17.69           | 1.905  | -0.0341 | 7.6             | -1 596c                          | 39 596                          |  |
| Y <sub>e,RECS</sub>                                                                                | 63.81 | 5.57   | 7.69  | 9.5             | 1.1988 | -0.0201 | 54.0            | 13 467                           | 35 576                          |  |
| G <sub>e,RECS</sub>                                                                                | 20.67 | -9.76  | 0.77  | 9.79            | 0.6391 | -0.1034 | 175.4           | 17 488                           | 32 564                          |  |
| B <sub>e,RECS</sub>                                                                                | 10.2  | -2.67  | -3.62 | 4.5             | 0.8491 | -0.4965 | 233.6           | 14 474                           | 34 574                          |  |
| 1-001330-L0 SE831-3N_4                                                                             |       |        |       |                 |        |         |                 |                                  |                                 |  |

| Device colours RYGBCM <sub>d</sub> of maximum (m) C <sub>AB</sub> for A00, Y <sub>w,10</sub> =88,6 |       |        |        |                  |        |         |                 |                                   |                                  |  |
|----------------------------------------------------------------------------------------------------|-------|--------|--------|------------------|--------|---------|-----------------|-----------------------------------|----------------------------------|--|
| Code                                                                                               | L*    | a*     | b*     | C* <sub>ab</sub> | a'     | b'      | h <sub>ab</sub> | i <sub>dm</sub> , λ* <sub>d</sub> | i <sub>c</sub> , λ* <sub>c</sub> |  |
| R <sub>d,RECS</sub>                                                                                | 53.95 | 59.69  | 53.59  | 80.22            | 0.2718 | -0.0328 | 41.9            | 46 633                            | 14 474                           |  |
| Y <sub>d,RECS</sub>                                                                                | 87.35 | 5.99   | 86.03  | 86.24            | 0.2299 | -0.0305 | 86.0            | 35 575                            | 13 465                           |  |
| G <sub>d,RECS</sub>                                                                                | 48.88 | -47.2  | 24.32  | 53.09            | 0.1886 | -0.0462 | 152.7           | 26 532                            | -1 532c                          |  |
| C <sub>d,RECS</sub>                                                                                | 54.63 | -50.15 | -48.18 | 69.55            | 0.1895 | -0.0825 | 223.8           | 14 473                            | 44 624                           |  |
| B <sub>d,RECS</sub>                                                                                | 24.84 | 3.9    | -45.45 | 45.61            | 0.2319 | -0.0973 | 274.9           | 12 463                            | 33 569                           |  |
| M <sub>d,RECS</sub>                                                                                | 54.42 | 59.47  | 6.62   | 59.84            | 0.2714 | -0.0559 | 6.3             | -1 489c                           | 17 489                           |  |
| R <sub>e,RECS</sub>                                                                                | 54.13 | 59.45  | 45.44  | 74.83            | 0.2715 | -0.0368 | 37.3            | -1 475c                           | 15 475                           |  |
| Y <sub>e,RECS</sub>                                                                                | 83.87 | 10.99  | 82.05  | 82.78            | 0.2327 | -0.0309 | 82.3            | 35 577                            | 13 466                           |  |
| G <sub>e,RECS</sub>                                                                                | 52.6  | -49.78 | 11.54  | 51.1             | 0.1887 | -0.0533 | 166.9           | 23 516                            | -1 516c                          |  |
| B <sub>e,RECS</sub>                                                                                | 38.21 | -20.03 | -48.77 | 52.73            | 0.2074 | -0.09   | 247.6           | 13 469                            | 37 587                           |  |
| 1-001330-L0 SE831-5N_4                                                                             |       |        |        |                  |        |         |                 |                                   |                                  |  |

| Device colours RYGBCM <sub>d</sub> of maximum (m) C <sub>AB</sub> for A00, Y <sub>w,10</sub> =88,6 |       |        |        |                  |        |         |                 |                                   |                                  |  |
|----------------------------------------------------------------------------------------------------|-------|--------|--------|------------------|--------|---------|-----------------|-----------------------------------|----------------------------------|--|
| CodeD65                                                                                            | L*    | a*     | b*     | C* <sub>ab</sub> | a'     | b'      | h <sub>ab</sub> | i <sub>dm</sub> , λ* <sub>d</sub> | i <sub>c</sub> , λ* <sub>c</sub> |  |
| R <sub>d,RECS</sub>                                                                                | 53.95 | 62.9   | 36.81  | 72.88            | 0.2719 | -0.0328 | 30.3            | -1 477c                           | 15 477                           |  |
| Y <sub>d,RECS</sub>                                                                                | 87.35 | 6.31   | 59.06  | 59.4             | 0.23   | -0.0305 | 83.8            | 35 576                            | 13 465                           |  |
| G <sub>d,RECS</sub>                                                                                | 48.88 | -49.75 | 16.7   | 52.48            | 0.1886 | -0.0462 | 161.4           | 24 522                            | -1 522c                          |  |
| C <sub>d,RECS</sub>                                                                                | 54.63 | -52.86 | -33.07 | 62.35            | 0.1895 | -0.0825 | 212.0           | 15 476                            | -1 476c                          |  |
| B <sub>d,RECS</sub>                                                                                | 24.84 | 4.12   | -31.21 | 31.48            | 0.232  | -0.0973 | 277.5           | 12 462                            | 33 568                           |  |
| M <sub>d,RECS</sub>                                                                                | 54.42 | 62.67  | 4.55   | 62.84            | 0.2714 | -0.0559 | 4.1             | -1 491c                           | 18 491                           |  |
| R <sub>e,RECS</sub>                                                                                | 54.13 | 62.65  | 31.2   | 70.0             | 0.2716 | -0.0368 | 26.4            | -1 478c                           | 15 478                           |  |
| Y <sub>e,RECS</sub>                                                                                | 83.87 | 11.58  | 56.32  | 57.5             | 0.2327 | -0.0309 | 78.3            | 35 579                            | 13 467                           |  |
| G <sub>e,RECS</sub>                                                                                | 52.6  | -52.47 | 7.92   | 53.07            | 0.1887 | -0.0533 | 171.4           | 22 510                            | -1 510c                          |  |
| B <sub>e,RECS</sub>                                                                                | 38.21 | -21.12 | -33.48 | 39.59            | 0.2074 | -0.09   | 237.7           | 14 470                            | 39 596                           |  |
| 1-001330-L0 SE831-7N_4                                                                             |       |        |        |                  |        |         |                 |                                   |                                  |  |



TUB-test chart SE83; Offset print output, use of grid G  
YABCh, LabCh\* data elementary hue circle and grey steps

input: w/rgb/cmyk -> w/rgb/cmyk-  
output: no change

Device colours  $RYGCBM_d$  of maximum (m)  $C_{AB}$  for E00,  $Y_{w,10}=88,6$

| Code         | X     | Y     | Z     | x      | y      | z      | $h_{xy}$ | $i_{dm}, \lambda_d$ | $i_c, \lambda_c$ |
|--------------|-------|-------|-------|--------|--------|--------|----------|---------------------|------------------|
| $R_{d,RECS}$ | 28.98 | 16.22 | 3.71  | 0.5925 | 0.3316 | 0.0758 | 359.6    | 41 608              | 16 480           |
| $Y_{d,RECS}$ | 64.79 | 65.45 | 8.08  | 0.4683 | 0.4731 | 0.0584 | 45.9     | 33 567              | 12 464           |
| $G_{d,RECS}$ | 10.67 | 19.77 | 7.08  | 0.2843 | 0.5269 | 0.1886 | 104.1    | 25 527              | -1 527c          |
| $C_{d,RECS}$ | 20.18 | 28.9  | 59.85 | 0.1852 | 0.2652 | 0.5494 | 204.7    | 14 474              | 35 579           |
| $B_{d,RECS}$ | 6.53  | 5.28  | 20.04 | 0.205  | 0.1658 | 0.6291 | 232.5    | 11 458              | 32 564           |
| $M_{d,RECS}$ | 31.73 | 17.48 | 19.96 | 0.4586 | 0.2527 | 0.2885 | 327.2    | -1 489c             | 17 489           |
| $R_{e,RECS}$ | 29.37 | 16.48 | 5.42  | 0.5728 | 0.3214 | 0.1057 | 357.1    | 43 615              | 16 480           |
| $Y_{e,RECS}$ | 59.92 | 58.45 | 7.67  | 0.4753 | 0.4637 | 0.0608 | 42.5     | 33 569              | 13 467           |
| $G_{e,RECS}$ | 13.26 | 23.75 | 13.65 | 0.2617 | 0.4687 | 0.2694 | 117.8    | 21 509              | -1 509c          |
| $B_{e,RECS}$ | 11.63 | 12.92 | 36.11 | 0.1917 | 0.2129 | 0.5953 | 220.3    | 13 468              | 34 570           |

Device colours  $RYGCBM_d$  of maximum (m)  $C_{AB}$  for E00,  $Y_{w,10}=88,6$

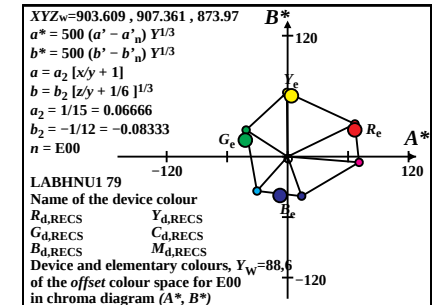
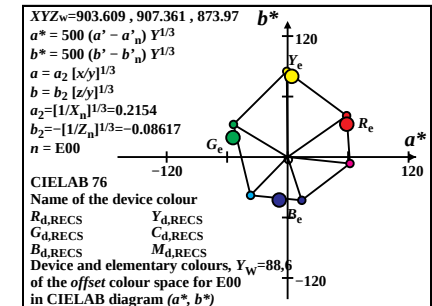
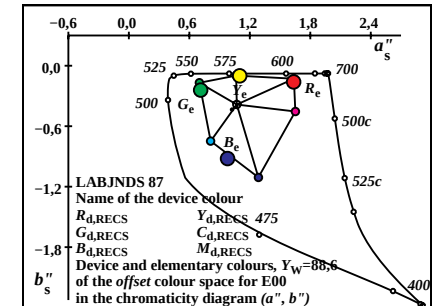
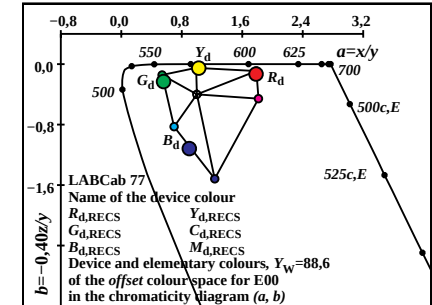
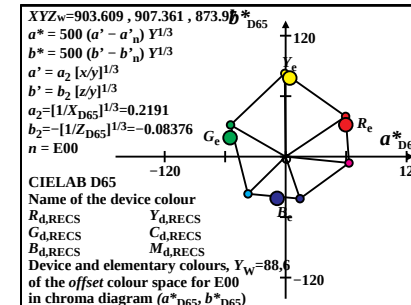
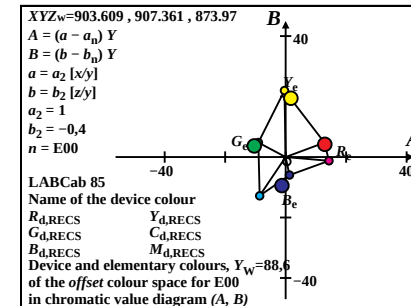
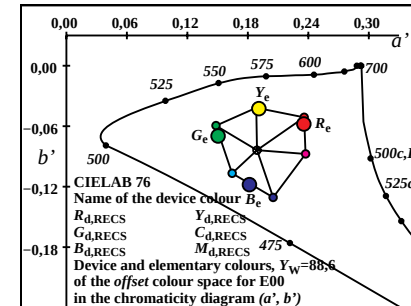
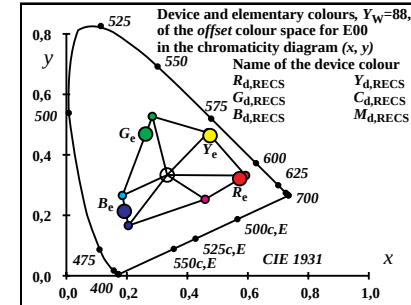
| Code         | Y     | A      | B      | $C_{AB}$ | a      | b       | $h_{AB}$ | $i_{dm}, \lambda_d$ | $i_c, \lambda_c$ |
|--------------|-------|--------|--------|----------|--------|---------|----------|---------------------|------------------|
| $R_{d,RECS}$ | 16.22 | 12.76  | 5.0    | 13.71    | 1.7868 | -0.0914 | 21.4     | 41 608              | 16 480           |
| $Y_{d,RECS}$ | 65.45 | -0.65  | 22.94  | 22.95    | 0.9899 | -0.0494 | 91.6     | 33 567              | 12 464           |
| $G_{d,RECS}$ | 19.77 | -9.1   | 5.07   | 10.42    | 0.5396 | -0.1432 | 150.8    | 25 527              | -1 527c          |
| $C_{d,RECS}$ | 28.9  | -8.71  | -12.38 | 15.13    | 0.6984 | -0.8284 | 234.8    | 14 474              | 35 579           |
| $B_{d,RECS}$ | 5.28  | 1.24   | -5.9   | 6.03     | 1.236  | -1.517  | 281.9    | 11 458              | 32 564           |
| $M_{d,RECS}$ | 17.48 | 14.24  | -0.99  | 14.28    | 1.8148 | -0.4567 | 356.0    | -1 489c             | 17 489           |
| $R_{e,RECS}$ | 16.48 | 12.89  | 4.42   | 13.63    | 1.782  | -0.1316 | 18.9     | 43 615              | 16 480           |
| $Y_{e,RECS}$ | 58.45 | 1.47   | 20.31  | 20.36    | 1.0251 | -0.0524 | 85.8     | 33 569              | 13 467           |
| $G_{e,RECS}$ | 23.75 | -10.48 | 4.04   | 11.23    | 0.5584 | -0.2299 | 158.9    | 21 509              | -1 509c          |
| $B_{e,RECS}$ | 12.92 | -1.28  | -9.27  | 9.36     | 0.9002 | -1.118  | 262.0    | 13 468              | 34 570           |

Device colours  $RYGCBM_d$  of maximum (m)  $C_{AB}$  for E00,  $Y_{w,10}=88,6$

| Code         | $L^*$ | $a^*$  | $b^*$  | $C^*_{ab}$ | $a'$   | $b'$    | $h_{ab}$ | $i_{dm}, \lambda^*_d$ | $i_c, \lambda^*_c$ |
|--------------|-------|--------|--------|------------|--------|---------|----------|-----------------------|--------------------|
| $R_{d,RECS}$ | 47.27 | 58.2   | 42.33  | 71.97      | 0.2658 | -0.0512 | 36.0     | -1 473c               | 14 473             |
| $Y_{d,RECS}$ | 84.72 | -1.44  | 87.13  | 87.14      | 0.2183 | -0.0417 | 90.9     | 33 567                | 13 465             |
| $G_{d,RECS}$ | 51.59 | -54.1  | 33.75  | 63.76      | 0.1783 | -0.0594 | 148.0    | 24 521                | -1 521c            |
| $C_{d,RECS}$ | 60.7  | -37.24 | -36.31 | 52.01      | 0.1943 | -0.1067 | 224.2    | 14 472                | -1 472c            |
| $B_{d,RECS}$ | 27.55 | 13.72  | -41.96 | 44.14      | 0.235  | -0.1305 | 288.1    | 12 461                | 30 553             |
| $M_{d,RECS}$ | 48.87 | 61.43  | -5.04  | 61.64      | 0.2672 | -0.0875 | 355.3    | -1 493c               | 18 493             |
| $R_{e,RECS}$ | 47.61 | 58.22  | 33.93  | 67.38      | 0.2656 | -0.0578 | 30.2     | -1 474c               | 14 474             |
| $Y_{e,RECS}$ | 80.99 | 3.48   | 82.21  | 82.29      | 0.2209 | -0.0425 | 87.5     | 34 570                | 13 465             |
| $G_{e,RECS}$ | 55.85 | -54.63 | 20.86  | 58.48      | 0.1804 | -0.0696 | 159.0    | 22 510                | -1 510c            |
| $B_{e,RECS}$ | 42.65 | -8.69  | -41.3  | 42.2       | 0.2115 | -0.1179 | 258.1    | 13 467                | 35 578             |

Device colours  $RYGCBM_d$  of maximum (m)  $C_{AB}$  for E00,  $Y_{w,10}=88,6$

| CodeD65      | $L^*$ | $a^*$  | $b^*$  | $C^*_{ab}$ | $a'$   | $b'$    | $h_{ab}$ | $i_{dm}, \lambda^*_d$ | $i_c, \lambda^*_c$ |
|--------------|-------|--------|--------|------------|--------|---------|----------|-----------------------|--------------------|
| $R_{d,RECS}$ | 47.27 | 59.21  | 41.18  | 72.13      | 0.2658 | -0.0512 | 34.8     | -1 473c               | 14 473             |
| $Y_{d,RECS}$ | 84.72 | -1.46  | 84.72  | 84.73      | 0.2183 | -0.0417 | 90.9     | 33 567                | 13 465             |
| $G_{d,RECS}$ | 51.59 | -55.04 | 32.83  | 64.09      | 0.1783 | -0.0594 | 149.1    | 24 520                | -1 520c            |
| $C_{d,RECS}$ | 60.7  | -37.89 | -35.3  | 51.78      | 0.1944 | -0.1067 | 222.9    | 14 472                | -1 472c            |
| $B_{d,RECS}$ | 27.55 | 13.97  | -40.81 | 43.14      | 0.2351 | -0.1306 | 288.8    | 12 461                | 30 552             |
| $M_{d,RECS}$ | 48.87 | 62.5   | -4.9   | 62.69      | 0.2672 | -0.0875 | 355.5    | -1 492c               | 18 492             |
| $R_{e,RECS}$ | 47.61 | 59.23  | 33.0   | 67.8       | 0.2656 | -0.0578 | 29.1     | -1 474c               | 14 474             |
| $Y_{e,RECS}$ | 80.99 | 3.54   | 79.94  | 80.02      | 0.2209 | -0.0425 | 87.4     | 34 570                | 13 465             |
| $G_{e,RECS}$ | 55.85 | -55.58 | 20.29  | 59.17      | 0.1804 | -0.0696 | 159.9    | 21 509                | -1 509c            |
| $B_{e,RECS}$ | 42.65 | -8.84  | -40.16 | 41.12      | 0.2115 | -0.1179 | 257.5    | 13 467                | 35 578             |



Device colours  $RYGCBM_d$  of maximum (m)  $C_{AB}$  for C00,  $Y_{w,10}=88,6$

| Code        | X     | Y     | Z     | x      | y      | z      | $h_{xy}$ | $i_{dm}, \lambda_d$ | $i_c, \lambda_c$ |
|-------------|-------|-------|-------|--------|--------|--------|----------|---------------------|------------------|
| $R_d, RECS$ | 25.79 | 14.75 | 4.27  | 0.5754 | 0.3291 | 0.0954 | 2.1      | 41 607              | 15 479           |
| $Y_d, RECS$ | 60.8  | 63.87 | 9.17  | 0.4542 | 0.4771 | 0.0685 | 47.6     | 33 566              | 12 464           |
| $G_d, RECS$ | 10.53 | 19.92 | 8.11  | 0.2731 | 0.5163 | 0.2104 | 100.6    | 25 527              | -1 527c          |
| $C_d, RECS$ | 21.59 | 30.33 | 70.29 | 0.1766 | 0.2482 | 0.5751 | 207.9    | 14 473              | 35 577           |
| $B_d, RECS$ | 6.84  | 5.55  | 23.47 | 0.1909 | 0.1548 | 0.6542 | 233.9    | 11 459              | 32 563           |
| $M_d, RECS$ | 29.01 | 16.28 | 23.2  | 0.4235 | 0.2377 | 0.3386 | 324.3    | -1 488c             | 17 488           |
| $R_e, RECS$ | 26.22 | 15.04 | 6.26  | 0.5517 | 0.3164 | 0.1317 | 359.3    | 43 616              | 15 479           |
| $Y_e, RECS$ | 55.99 | 56.86 | 8.71  | 0.4605 | 0.4677 | 0.0717 | 44.6     | 33 567              | 13 466           |
| $G_e, RECS$ | 13.26 | 24.06 | 15.8  | 0.2496 | 0.4529 | 0.2974 | 114.3    | 21 509              | -1 509c          |
| $B_e, RECS$ | 12.35 | 13.59 | 42.35 | 0.1808 | 0.199  | 0.62   | 222.8    | 13 467              | 33 568           |

Device colours  $RYGCBM_d$  of maximum (m)  $C_{AB}$  for C00,  $Y_{w,10}=88,6$

| Code        | Y     | A      | B      | $C_{AB}$ | a      | b       | $h_{AB}$ | $i_{dm}, \lambda_d$ | $i_c, \lambda_c$ |
|-------------|-------|--------|--------|----------|--------|---------|----------|---------------------|------------------|
| $R_d, RECS$ | 14.75 | 11.44  | 5.14   | 12.54    | 1.7484 | -0.1159 | 24.2     | 41 605              | 15 478           |
| $Y_d, RECS$ | 63.87 | -1.33  | 26.0   | 26.03    | 0.9519 | -0.0574 | 92.9     | 33 566              | 13 466           |
| $G_d, RECS$ | 19.92 | -8.84  | 6.0    | 10.68    | 0.529  | -0.163  | 145.8    | 26 531              | -1 531c          |
| $C_d, RECS$ | 30.33 | -7.92  | -14.02 | 16.1     | 0.7116 | -0.9268 | 240.5    | 14 473              | 35 578           |
| $B_d, RECS$ | 5.55  | 1.44   | -6.8   | 6.95     | 1.233  | -1.6901 | 281.9    | 11 457              | 32 560           |
| $M_d, RECS$ | 16.28 | 13.16  | -1.71  | 13.28    | 1.7814 | -0.5698 | 352.5    | -1 485c             | 17 485           |
| $R_e, RECS$ | 15.04 | 11.58  | 4.48   | 12.42    | 1.7432 | -0.1665 | 21.1     | 42 612              | 15 478           |
| $Y_e, RECS$ | 56.86 | 0.66   | 22.93  | 22.94    | 0.9846 | -0.0613 | 88.3     | 33 567              | 13 467           |
| $G_e, RECS$ | 24.06 | -10.15 | 4.85   | 11.25    | 0.551  | -0.2626 | 154.4    | 23 518              | -1 518c          |
| $B_e, RECS$ | 13.59 | -0.87  | -10.62 | 10.65    | 0.9083 | -1.2458 | 265.2    | 13 467              | 33 567           |

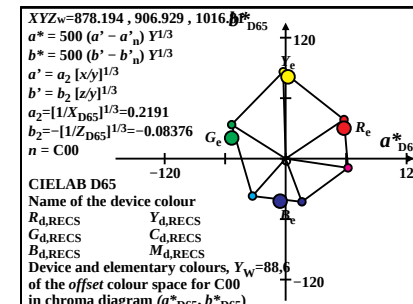
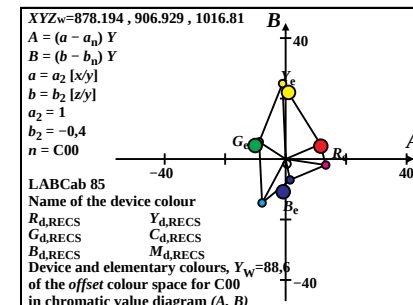
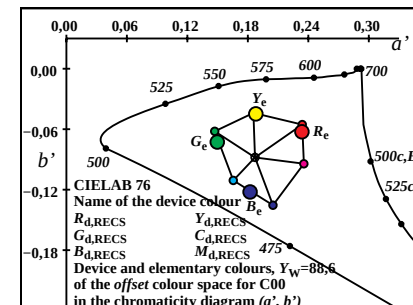
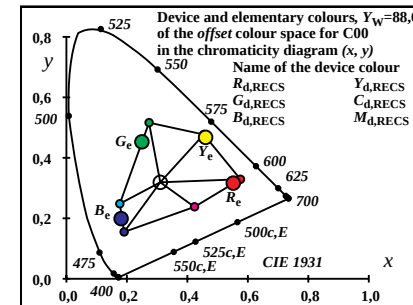
Device colours  $RYGCBM_d$  of maximum (m)  $C_{AB}$  for C00,  $Y_{w,10}=88,6$

| Code        | $L^*$ | $a^*$  | $b^*$  | $C^*_{ab}$ | $a'$   | $b'$    | $h_{ab}$ | $i_{dm}, \lambda^*_d$ | $i_c, \lambda^*_c$ |
|-------------|-------|--------|--------|------------|--------|---------|----------|-----------------------|--------------------|
| $R_d, RECS$ | 45.3  | 56.99  | 39.1   | 69.12      | 0.2639 | -0.0554 | 34.4     | -1 473c               | 14 473             |
| $Y_d, RECS$ | 83.9  | -3.1   | 86.39  | 86.44      | 0.2155 | -0.0438 | 92.0     | 33 565                | 13 465             |
| $G_d, RECS$ | 51.75 | -53.63 | 34.39  | 63.71      | 0.1771 | -0.062  | 147.3    | 23 519                | -1 519c            |
| $C_d, RECS$ | 61.95 | -33.23 | -34.78 | 48.11      | 0.1955 | -0.1108 | 226.3    | 14 471                | 58 691             |
| $B_d, RECS$ | 28.28 | 15.66  | -41.02 | 43.91      | 0.2348 | -0.1353 | 290.8    | 12 461                | 30 550             |
| $M_d, RECS$ | 47.36 | 60.98  | -7.68  | 61.46      | 0.2655 | -0.0942 | 352.8    | -1 494c               | 18 494             |
| $R_e, RECS$ | 45.7  | 57.04  | 30.77  | 64.82      | 0.2636 | -0.0625 | 28.3     | -1 474c               | 14 474             |
| $Y_e, RECS$ | 80.11 | 1.66   | 81.3   | 81.31      | 0.2179 | -0.0448 | 88.8     | 33 568                | 13 465             |
| $G_e, RECS$ | 56.16 | -53.66 | 21.53  | 57.82      | 0.1796 | -0.0727 | 158.1    | 21 509                | -1 509c            |
| $B_e, RECS$ | 43.66 | -5.8   | -40.02 | 40.44      | 0.2121 | -0.1223 | 261.7    | 13 467                | 34 574             |

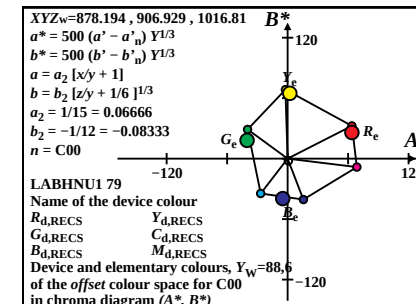
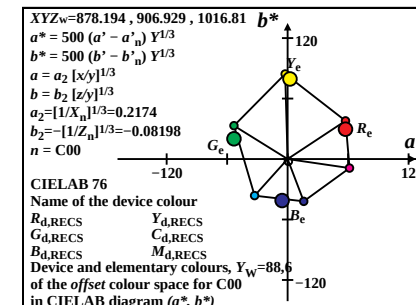
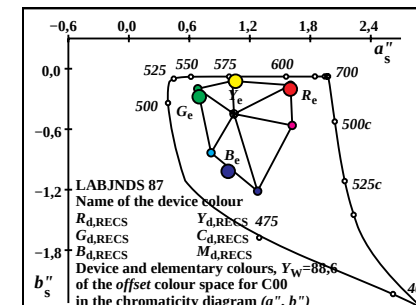
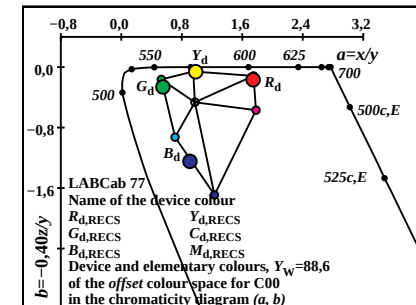
Device colours  $RYGCBM_d$  of maximum (m)  $C_{AB}$  for C00,  $Y_{w,10}=88,6$

| CodeD65     | $L^*$ | $a^*$  | $b^*$  | $C^*_{ab}$ | $a'$   | $b'$    | $h_{ab}$ | $i_{dm}, \lambda^*_d$ | $i_c, \lambda^*_c$ |
|-------------|-------|--------|--------|------------|--------|---------|----------|-----------------------|--------------------|
| $R_d, RECS$ | 45.3  | 57.45  | 39.99  | 70.0       | 0.2639 | -0.0554 | 34.8     | -1 473c               | 14 473             |
| $Y_d, RECS$ | 83.9  | -3.13  | 88.29  | 88.35      | 0.2155 | -0.0438 | 92.0     | 33 565                | 13 465             |
| $G_d, RECS$ | 51.75 | -54.07 | 35.16  | 64.5       | 0.1772 | -0.0621 | 146.9    | 23 519                | -1 519c            |
| $C_d, RECS$ | 61.95 | -33.5  | -35.54 | 48.84      | 0.1956 | -0.1108 | 226.6    | 14 471                | 58 690             |
| $B_d, RECS$ | 28.28 | 15.8   | -41.94 | 44.82      | 0.2349 | -0.1353 | 290.6    | 12 461                | 30 550             |
| $M_d, RECS$ | 47.36 | 61.48  | -7.85  | 61.98      | 0.2656 | -0.0942 | 352.7    | -1 494c               | 18 494             |
| $R_e, RECS$ | 45.7  | 57.51  | 31.46  | 65.56      | 0.2636 | -0.0625 | 28.6     | -1 474c               | 14 474             |
| $Y_e, RECS$ | 80.11 | 1.67   | 83.09  | 83.11      | 0.2179 | -0.0448 | 88.8     | 33 568                | 13 465             |
| $G_e, RECS$ | 56.16 | -54.1  | 22.0   | 58.4       | 0.1796 | -0.0728 | 157.8    | 21 509                | -1 509c            |
| $B_e, RECS$ | 43.66 | -5.85  | -40.9  | 41.32      | 0.2121 | -0.1223 | 261.8    | 13 466                | 34 574             |

TUB-test chart SE83; Offset print output, use of grid G  
YABCh, LabCh\* data elementary hue circle and grey steps



input: w/rgb/cmyk -> w/rgb/cmyk-  
output: no change



TUB registration: 20130201-SE83/SE83L0NA.TXT /PS  
application for measurement of display output

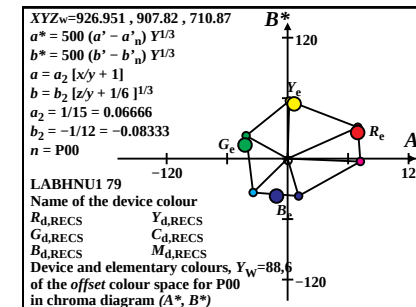
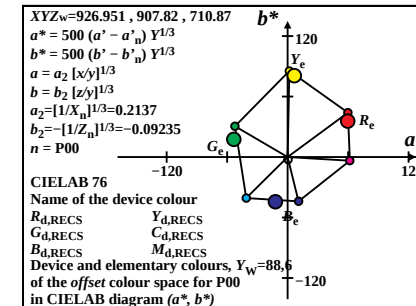
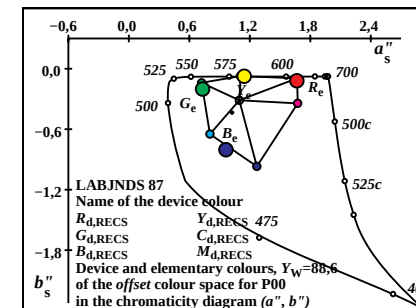
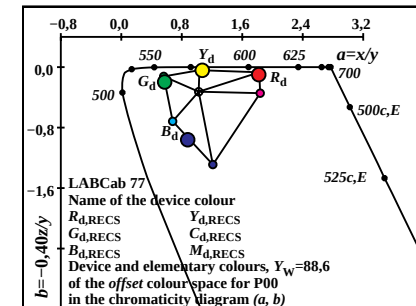
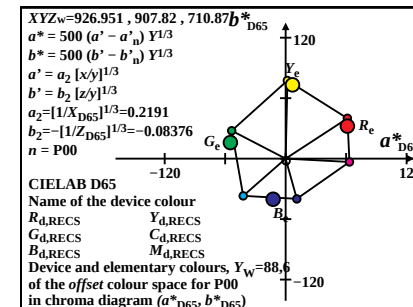
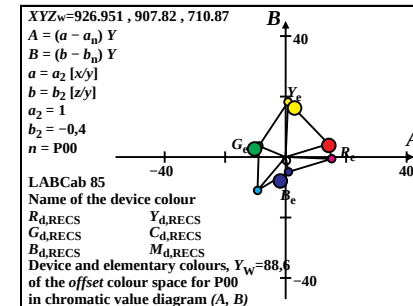
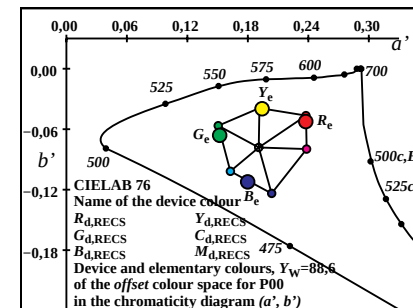
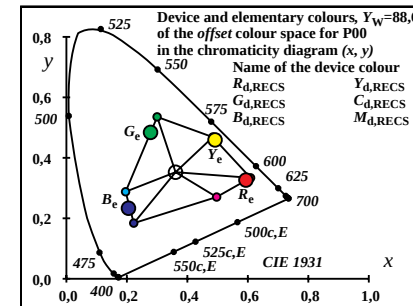
TUB material: code=rha4ta

| Device colours RYGBM <sub>d</sub> of maximum (m) C <sub>AB</sub> for P00, Y <sub>w,10</sub> =88,6 |       |       |       |        |        |        |                 |                                  |                                 |  |
|---------------------------------------------------------------------------------------------------|-------|-------|-------|--------|--------|--------|-----------------|----------------------------------|---------------------------------|--|
| Code                                                                                              | X     | Y     | Z     | x      | y      | z      | h <sub>xy</sub> | i <sub>dm</sub> , λ <sub>d</sub> | i <sub>c</sub> , λ <sub>c</sub> |  |
| R <sub>d,RECS</sub>                                                                               | 32.19 | 17.64 | 3.01  | 0.609  | 0.3338 | 0.0571 | 355.6           | 41 608                           | 16 482                          |  |
| Y <sub>d,RECS</sub>                                                                               | 69.08 | 66.86 | 6.76  | 0.484  | 0.4685 | 0.0474 | 43.2            | 33 569                           | 13 466                          |  |
| G <sub>d,RECS</sub>                                                                               | 10.78 | 19.22 | 5.9   | 0.3002 | 0.5353 | 0.1644 | 108.3           | 25 527                           | -1 527c                         |  |
| C <sub>d,RECS</sub>                                                                               | 18.53 | 27.26 | 48.85 | 0.1958 | 0.288  | 0.516  | 201.3           | 15 475                           | 36 580                          |  |
| B <sub>d,RECS</sub>                                                                               | 6.09  | 5.02  | 16.22 | 0.2228 | 0.1839 | 0.5932 | 230.7           | 11 458                           | 33 566                          |  |
| M <sub>d,RECS</sub>                                                                               | 34.32 | 18.68 | 16.09 | 0.4967 | 0.2703 | 0.2328 | 328.8           | -1 490c                          | 18 490                          |  |
| R <sub>e,RECS</sub>                                                                               | 32.52 | 17.88 | 4.39  | 0.5934 | 0.3262 | 0.0802 | 353.5           | 43 615                           | 16 482                          |  |
| Y <sub>e,RECS</sub>                                                                               | 64.09 | 59.87 | 6.4   | 0.4916 | 0.4592 | 0.0491 | 39.2            | 34 571                           | 13 468                          |  |
| G <sub>e,RECS</sub>                                                                               | 13.21 | 23.0  | 11.27 | 0.2782 | 0.4843 | 0.2374 | 122.0           | 21 508                           | -1 508c                         |  |
| B <sub>e,RECS</sub>                                                                               | 10.72 | 12.2  | 29.34 | 0.2051 | 0.2334 | 0.5614 | 217.4           | 13 469                           | 34 572                          |  |

| Device colours RYGBM <sub>d</sub> of maximum (m) C <sub>AB</sub> for P00, Y <sub>w,10</sub> =88,6 |       |        |        |                 |        |         |                 |                                  |                                 |  |
|---------------------------------------------------------------------------------------------------|-------|--------|--------|-----------------|--------|---------|-----------------|----------------------------------|---------------------------------|--|
| Code                                                                                              | Y     | A      | B      | C <sub>AB</sub> | a      | b       | h <sub>AB</sub> | i <sub>dm</sub> , λ <sub>d</sub> | i <sub>c</sub> , λ <sub>c</sub> |  |
| R <sub>d,RECS</sub>                                                                               | 17.64 | 14.12  | 4.52   | 14.83           | 1.8244 | -0.0684 | 17.7            | 42 613                           | 17 485                          |  |
| Y <sub>d,RECS</sub>                                                                               | 66.86 | 0.63   | 19.02  | 19.03           | 1.0332 | -0.0404 | 88.0            | 33 569                           | 12 463                          |  |
| G <sub>d,RECS</sub>                                                                               | 19.22 | -8.89  | 3.88   | 9.71            | 0.5608 | -0.1228 | 156.4           | 23 517                           | -1 517c                         |  |
| C <sub>d,RECS</sub>                                                                               | 27.26 | -9.37  | -10.67 | 14.21           | 0.6799 | -0.7166 | 228.7           | 15 475                           | 35 577                          |  |
| B <sub>d,RECS</sub>                                                                               | 5.02  | 0.94   | -4.85  | 4.94            | 1.2115 | -1.29   | 281.0           | 12 460                           | 33 568                          |  |
| M <sub>d,RECS</sub>                                                                               | 18.68 | 15.19  | -0.36  | 15.19           | 1.8371 | -0.3445 | 358.6           | -1 499c                          | 19 499                          |  |
| R <sub>e,RECS</sub>                                                                               | 17.88 | 14.21  | 4.05   | 14.78           | 1.8187 | -0.0983 | 15.9            | 45 627                           | 17 485                          |  |
| Y <sub>e,RECS</sub>                                                                               | 59.87 | 2.79   | 16.89  | 17.12           | 1.0704 | -0.0427 | 80.6            | 34 571                           | 13 467                          |  |
| G <sub>e,RECS</sub>                                                                               | 23.0  | -10.33 | 2.96   | 10.75           | 0.5744 | -0.1961 | 163.9           | 19 498                           | -1 498c                         |  |
| B <sub>e,RECS</sub>                                                                               | 12.2  | -1.77  | -7.77  | 7.97            | 0.8786 | -0.9618 | 257.1           | 13 469                           | 34 572                          |  |

| Device colours RYGBM <sub>d</sub> of maximum (m) C <sub>AB</sub> for P00, Y <sub>w,10</sub> =88,6 |       |        |        |                  |        |         |                 |                                   |                                  |  |
|---------------------------------------------------------------------------------------------------|-------|--------|--------|------------------|--------|---------|-----------------|-----------------------------------|----------------------------------|--|
| Code                                                                                              | L*    | a*     | b*     | C* <sub>ab</sub> | a'     | b'      | h <sub>ab</sub> | i <sub>dm</sub> , λ* <sub>d</sub> | i <sub>c</sub> , λ* <sub>c</sub> |  |
| R <sub>d,RECS</sub>                                                                               | 49.07 | 59.54  | 45.4   | 74.88            | 0.2676 | -0.0464 | 37.3            | -1 473c                           | 14 473                           |  |
| Y <sub>d,RECS</sub>                                                                               | 85.43 | 1.34   | 87.52  | 87.53            | 0.2214 | -0.039  | 89.1            | 34 570                            | 13 465                           |  |
| G <sub>d,RECS</sub>                                                                               | 50.96 | -52.42 | 31.94  | 61.39            | 0.1806 | -0.0565 | 148.6           | 24 523                            | -1 523c                          |  |
| C <sub>d,RECS</sub>                                                                               | 59.23 | -41.33 | -39.1  | 56.9             | 0.1926 | -0.1017 | 223.4           | 14 472                            | 58 694                           |  |
| B <sub>d,RECS</sub>                                                                               | 26.84 | 10.64  | -43.03 | 44.33            | 0.2335 | -0.1237 | 283.8           | 12 462                            | 31 558                           |  |
| M <sub>d,RECS</sub>                                                                               | 50.32 | 61.49  | -2.24  | 61.53            | 0.2683 | -0.0796 | 357.9           | -1 492c                           | 18 492                           |  |
| R <sub>e,RECS</sub>                                                                               | 49.36 | 59.45  | 36.99  | 70.02            | 0.2674 | -0.0524 | 31.8            | -1 474c                           | 14 474                           |  |
| Y <sub>e,RECS</sub>                                                                               | 81.77 | 6.3    | 82.79  | 83.03            | 0.2241 | -0.0397 | 85.6            | 34 572                            | 13 466                           |  |
| G <sub>e,RECS</sub>                                                                               | 55.08 | -53.64 | 18.98  | 56.9             | 0.1821 | -0.066  | 160.5           | 22 512                            | -1 512c                          |  |
| B <sub>e,RECS</sub>                                                                               | 41.55 | -12.31 | -43.21 | 44.93            | 0.2098 | -0.1122 | 254.0           | 13 467                            | 36 582                           |  |

| Device colours RYGBM <sub>d</sub> of maximum (m) C <sub>AB</sub> for P00, Y <sub>w,10</sub> =88,6 |       |        |        |                  |        |         |                 |                                   |                                  |  |
|---------------------------------------------------------------------------------------------------|-------|--------|--------|------------------|--------|---------|-----------------|-----------------------------------|----------------------------------|--|
| CodeD65                                                                                           | L*    | a*     | b*     | C* <sub>ab</sub> | a'     | b'      | h <sub>ab</sub> | i <sub>dm</sub> , λ* <sub>d</sub> | i <sub>c</sub> , λ* <sub>c</sub> |  |
| R <sub>d,RECS</sub>                                                                               | 49.07 | 61.05  | 41.21  | 73.66            | 0.2677 | -0.0464 | 34.0            | -1 474c                           | 14 474                           |  |
| Y <sub>d,RECS</sub>                                                                               | 85.43 | 1.37   | 79.41  | 79.42            | 0.2215 | -0.039  | 89.0            | 34 570                            | 13 465                           |  |
| G <sub>d,RECS</sub>                                                                               | 50.96 | -53.76 | 28.99  | 61.08            | 0.1807 | -0.0565 | 151.6           | 24 520                            | -1 520c                          |  |
| C <sub>d,RECS</sub>                                                                               | 59.23 | -42.38 | -35.47 | 55.27            | 0.1926 | -0.1017 | 219.9           | 14 473                            | -1 473c                          |  |
| B <sub>d,RECS</sub>                                                                               | 26.84 | 10.92  | -39.05 | 40.55            | 0.2335 | -0.1237 | 285.6           | 12 461                            | 31 557                           |  |
| M <sub>d,RECS</sub>                                                                               | 50.32 | 63.05  | -2.03  | 63.08            | 0.2683 | -0.0796 | 358.1           | -1 491c                           | 18 491                           |  |
| R <sub>e,RECS</sub>                                                                               | 49.36 | 60.96  | 33.57  | 69.6             | 0.2674 | -0.0524 | 28.8            | -1 475c                           | 15 475                           |  |
| Y <sub>e,RECS</sub>                                                                               | 81.77 | 6.46   | 75.12  | 75.4             | 0.2241 | -0.0397 | 85.0            | 34 573                            | 13 466                           |  |
| G <sub>e,RECS</sub>                                                                               | 55.08 | -55.01 | 17.22  | 57.65            | 0.1821 | -0.066  | 162.6           | 22 510                            | -1 510c                          |  |
| B <sub>e,RECS</sub>                                                                               | 41.55 | -12.62 | -39.2  | 41.19            | 0.2098 | -0.1122 | 252.1           | 13 468                            | 36 584                           |  |



Device colours  $RYGCBM_d$  of maximum (m)  $C_{AB}$  for Q00,  $Y_{w,10}=88,6$

| Code        | X     | Y     | Z     | x      | y      | z      | $h_{xy}$ | $i_{dm}, \lambda_d$ | $i_c, \lambda_c$ |
|-------------|-------|-------|-------|--------|--------|--------|----------|---------------------|------------------|
| $R_d, RECS$ | 25.84 | 14.82 | 4.39  | 0.5735 | 0.329  | 0.0974 | 2.7      | 41 607              | 15 478           |
| $Y_d, RECS$ | 60.58 | 64.06 | 9.38  | 0.4519 | 0.4779 | 0.07   | 48.4     | 33 565              | 12 463           |
| $G_d, RECS$ | 10.56 | 20.31 | 8.23  | 0.27   | 0.5193 | 0.2105 | 100.8    | 25 527              | -1 527c          |
| $C_d, RECS$ | 21.8  | 30.5  | 70.66 | 0.1773 | 0.248  | 0.5746 | 207.4    | 14 473              | 35 578           |
| $B_d, RECS$ | 6.96  | 5.53  | 23.8  | 0.1918 | 0.1525 | 0.6556 | 234.4    | 11 458              | 32 562           |
| $M_d, RECS$ | 29.19 | 16.31 | 23.76 | 0.4214 | 0.2354 | 0.3431 | 324.2    | -1 488c             | 17 488           |
| $R_e, RECS$ | 26.28 | 15.11 | 6.43  | 0.5496 | 0.3159 | 0.1344 | 359.8    | 43 616              | 15 479           |
| $Y_e, RECS$ | 55.83 | 57.06 | 8.91  | 0.4583 | 0.4684 | 0.0732 | 45.4     | 33 567              | 13 465           |
| $G_e, RECS$ | 13.31 | 24.49 | 15.98 | 0.2474 | 0.4552 | 0.2972 | 113.8    | 22 510              | -1 510c          |
| $B_e, RECS$ | 12.52 | 13.62 | 42.76 | 0.1817 | 0.1977 | 0.6205 | 223.0    | 13 467              | 33 568           |

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SE831-1N\_8

Device colours  $RYGCBM_d$  of maximum (m)  $C_{AB}$  for Q00,  $Y_{w,10}=88,6$

| Code        | Y     | A     | B      | $C_{AB}$ | a      | b       | $h_{AB}$ | $i_{dm}, \lambda_d$ | $i_c, \lambda_c$ |
|-------------|-------|-------|--------|----------|--------|---------|----------|---------------------|------------------|
| $R_d, RECS$ | 14.82 | 11.36 | 5.26   | 12.52    | 1.7429 | -0.1184 | 24.8     | 41 605              | 15 477           |
| $Y_d, RECS$ | 64.06 | -1.97 | 26.59  | 26.66    | 0.9456 | -0.0586 | 94.2     | 33 566              | 13 465           |
| $G_d, RECS$ | 20.31 | -9.27 | 6.32   | 11.22    | 0.5199 | -0.1621 | 145.6    | 26 531              | -1 531c          |
| $C_d, RECS$ | 30.5  | -7.98 | -13.81 | 15.95    | 0.7147 | -0.9265 | 239.9    | 14 473              | 35 579           |
| $B_d, RECS$ | 5.53  | 1.55  | -6.89  | 7.07     | 1.2578 | -1.7195 | 282.7    | 11 456              | 32 560           |
| $M_d, RECS$ | 16.31 | 13.26 | -1.78  | 13.38    | 1.7897 | -0.5828 | 352.3    | -1 484c             | 16 484           |
| $R_e, RECS$ | 15.11 | 11.53 | 4.58   | 12.41    | 1.7395 | -0.1701 | 21.6     | 42 611              | 15 478           |
| $Y_e, RECS$ | 57.06 | 0.1   | 23.46  | 23.46    | 0.9784 | -0.0625 | 89.7     | 33 567              | 13 466           |
| $G_e, RECS$ | 24.49 | -10.6 | 5.2    | 11.81    | 0.5435 | -0.2611 | 153.8    | 23 519              | -1 519c          |
| $B_e, RECS$ | 13.62 | -0.78 | -10.65 | 10.68    | 0.9191 | -1.2554 | 265.8    | 13 466              | 33 567           |

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SE831-3N\_8

Device colours  $RYGCBM_d$  of maximum (m)  $C_{AB}$  for Q00,  $Y_{w,10}=88,6$

| Code        | $L^*$ | $a^*$  | $b^*$  | $C^*_{ab}$ | $a'$   | $b'$    | $h_{ab}$ | $i_{dm}, \lambda^*_d$ | $i_c, \lambda^*_c$ |
|-------------|-------|--------|--------|------------|--------|---------|----------|-----------------------|--------------------|
| $R_d, RECS$ | 45.41 | 56.36  | 39.13  | 68.61      | 0.2636 | -0.0558 | 34.7     | -1 473c               | 14 473             |
| $Y_d, RECS$ | 84.0  | -4.58  | 86.47  | 86.59      | 0.215  | -0.0441 | 93.0     | 32 564                | 13 465             |
| $G_d, RECS$ | 52.19 | -55.66 | 35.29  | 65.91      | 0.1761 | -0.0619 | 147.6    | 23 519                | -1 519c            |
| $C_d, RECS$ | 62.09 | -33.23 | -33.73 | 47.35      | 0.1958 | -0.1108 | 225.4    | 14 471                | -1 471c            |
| $B_d, RECS$ | 28.23 | 16.76  | -40.89 | 44.2       | 0.2364 | -0.1361 | 292.2    | 12 460                | 29 549             |
| $M_d, RECS$ | 47.39 | 61.11  | -7.81  | 61.61      | 0.2659 | -0.0949 | 352.7    | -1 494c               | 18 494             |
| $R_e, RECS$ | 45.8  | 56.5   | 30.77  | 64.34      | 0.2634 | -0.0629 | 28.5     | -1 474c               | 14 474             |
| $Y_e, RECS$ | 80.22 | 0.27   | 81.39  | 81.4       | 0.2174 | -0.0451 | 89.8     | 33 567                | 13 465             |
| $G_e, RECS$ | 56.58 | -55.46 | 22.52  | 59.86      | 0.1788 | -0.0726 | 157.9    | 21 509                | -1 509c            |
| $B_e, RECS$ | 43.7  | -5.13  | -39.49 | 39.82      | 0.2129 | -0.1226 | 262.5    | 13 466                | 34 573             |

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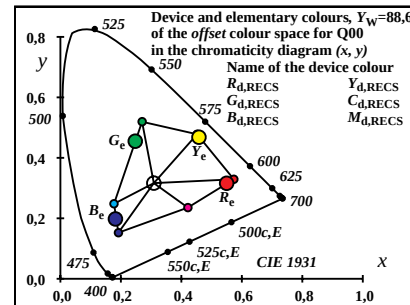
SE831-5N\_8

Device colours  $RYGCBM_d$  of maximum (m)  $C_{AB}$  for Q00,  $Y_{w,10}=88,6$

| CodeD65     | $L^*$ | $a^*$  | $b^*$  | $C^*_{ab}$ | $a'$   | $b'$    | $h_{ab}$ | $i_{dm}, \lambda^*_d$ | $i_c, \lambda^*_c$ |
|-------------|-------|--------|--------|------------|--------|---------|----------|-----------------------|--------------------|
| $R_d, RECS$ | 45.41 | 56.89  | 40.28  | 69.7       | 0.2636 | -0.0558 | 35.2     | -1 473c               | 14 473             |
| $Y_d, RECS$ | 84.0  | -4.63  | 88.95  | 89.07      | 0.215  | -0.0441 | 92.9     | 32 564                | 13 465             |
| $G_d, RECS$ | 52.19 | -56.19 | 36.32  | 66.9       | 0.1761 | -0.0619 | 147.1    | 23 519                | -1 519c            |
| $C_d, RECS$ | 62.09 | -33.54 | -34.69 | 48.26      | 0.1958 | -0.1108 | 225.9    | 14 471                | 58 693             |
| $B_d, RECS$ | 28.23 | 16.93  | -42.08 | 45.36      | 0.2364 | -0.1361 | 291.9    | 12 460                | 29 549             |
| $M_d, RECS$ | 47.39 | 61.69  | -8.04  | 62.21      | 0.266  | -0.0949 | 352.5    | -1 494c               | 18 494             |
| $R_e, RECS$ | 45.8  | 57.03  | 31.67  | 65.24      | 0.2635 | -0.0629 | 29.0     | -1 474c               | 14 474             |
| $Y_e, RECS$ | 80.22 | 0.27   | 83.73  | 83.73      | 0.2175 | -0.0451 | 89.8     | 33 567                | 13 465             |
| $G_e, RECS$ | 56.58 | -55.99 | 23.16  | 60.59      | 0.1788 | -0.0726 | 157.5    | 21 509                | -1 509c            |
| $B_e, RECS$ | 43.7  | -5.18  | -40.62 | 40.95      | 0.213  | -0.1226 | 262.7    | 13 466                | 34 573             |

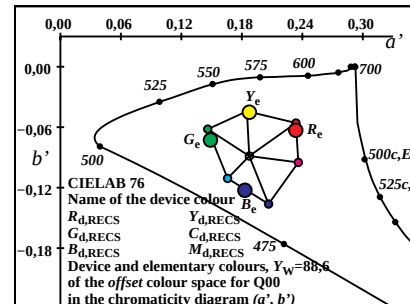
1-001730-L0

SE831-7N\_8



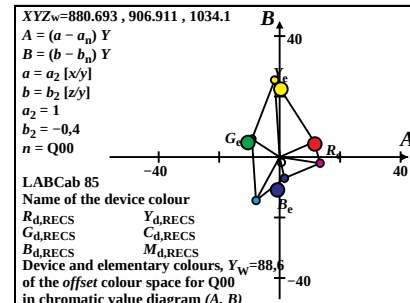
1-001730-L0

SE831-1N\_8



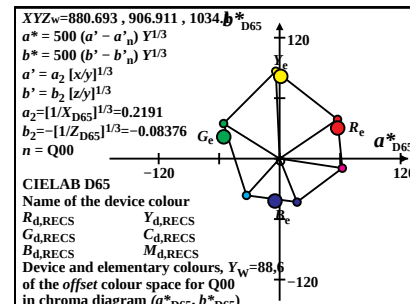
1-001730-L0

SE831-3N\_8



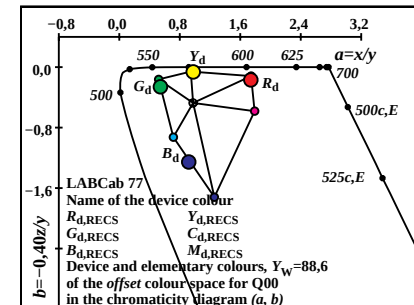
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SE831-5N\_8



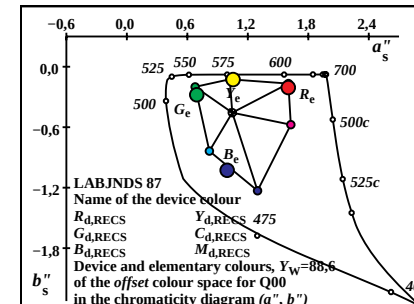
1-001730-L0

SE831-7N\_8



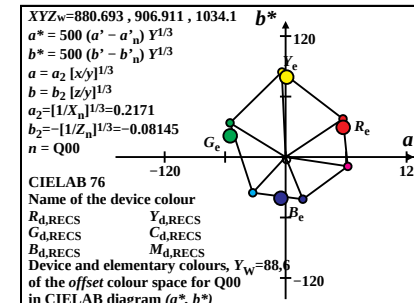
1-001730-L0

SE831-2N\_8



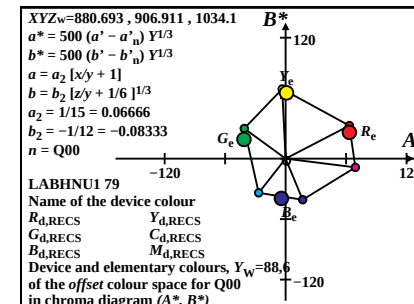
1-001730-L0

SE831-4N\_8



1-001730-L0

SE831-6N\_8



1-001730-L0

SE831-8N\_8

TUB-test chart SE83; Offset print output, use of grid G  
YABCh, LabCh\* data elementary hue circle and grey steps

input: w/rgb/cmyk -> w/rgb/cmyk-  
output: no change